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ELEVENTH

ANNUAL REPORT

OF THE

Michigan Railroad Commission

FOR THE

YEAR ENDING DECEMBER 31, 1917.

COMPILATIONS FROM RAILROAD RETURNS ARE FOR THE YEAR ENDING DECEMBER 31, 1916.

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MICHIGAN RAILROAD COMMISSION.

CASSIUS L. GLASGOW, Chairman.....Nashville, Michigan
CHARLES S. CUNNINGHAM.....Detroit, Michigan
ADDISON A. KEISER.....Ludington, Michigan
WILLARD N. SWEENEY, Secretary.....Bay City, Michigan
M. L. MUNSON, Chief Clerk.....Nashville, Michigan
JAMES BICE, Inspecting Engineer.....Marquette, Michigan
E. A. CALKINS, Statistician.....Mason, Michigan

Offices of the Commission, Lansing, Michigan.

NOTICE.

ORDERS AND OPINIONS.

Previous to the annual report for 1912, it had been the custom of the Commission to include in its annual reports those opinions and orders issued in contested cases in which formal complaint had been made. However, as the jurisdiction of the Commission has been much extended in recent years and the cases disposed of have been more numerous, of much greater import and more immediate application to the commercial interests of the State, it was deemed proper by the Commission to give them a more prompt publication than could be afforded in the annual reports. Consequently, since April 1, 1912, all orders and opinions of the commission have been published as a quarterly and will henceforth be omitted from the annual reports. Those quarterly reports are distributed by the Secretary of the Commission gratis to parties of record. They are distributed to the public generally at one dollar per year.

11th ANNUAL REPORT

OF THE

MICHIGAN RAILROAD COMMISSION,

LANSING, MICHIGAN.

Hon. Albert E. Sleeper, Governor:

Sir:

In compliance with the provisions of Sec. 48 of Act 300 of the Public Acts of 1909, we have the honor to submit herewith the following report of the work of this Department for the year ending December 31, 1917.

The change in date from June 30th to December 31st for the filing of annual reports by railroads, in order to make the filing of reports of all public utilities uniform, delays the filing of the report of this Department six months and thus prevents our compliance with the statute, which requires that such report shall be made to you January 1st of each year. This particular issue has been further delayed in both its preparation and publication by the war's interference with out clerical and stenographic force.

POWER TO CHANGE RATES.

During the last five years, and particularly since the beginning of the recent European War, public utilities in this state have been subjected to a very material increase in the expense of performing the service demanded by the public, this due to the rapid advance during such time in the cost of material, fuel, labor, taxes and interest. To meet these demands, a larger revenue was necessary and this could be obtained only from an increase in the rate. In most cases, the rates which may be charged by such utilities are governed by legislative enactment or by franchise granted by the municipality in or thru which the utility operates and evidence is not lacking to establish the fact that the "Home Rule" principle of control of public utilities, subject as it is to social, religious and political influences, will not readily respond to the temporary needs of the utility, especially if the necessary change means an advance, even though the well known conditions would justify the change. The Legislature, meeting only once in two years, cannot grant the needed relief quick enough. By reason of these conditions, several of our public utilities have been subject to financial embarrassment. It appears evident that neither form of control is sufficiently elastic to meet such emergencies. The present law contains a prohibition against any interference by the Commission with any rates fixed by franchise and thus the Commission is powerless to render aid, even though after a careful investigation it might do so promptly, and at the same time fully protect the public.

TRUCKING COMPANIES.

During the year 1917, many truck companies were formed for the purpose of handling merchandise between nearby towns, taking the place of "short haul by rail," and as this report is being prepared, it is evident from the numerous applications received for authority to incorporate such companies that this service is proving both satisfactory and remunerative, and if freight rates remain as at present, and the good roads movement continues, this general trucking industry is quite liable to increase in volume.

At the present time, it appears the state has no facilities for exercising control over such companies, notwithstanding the fact that they are engaged, practically, in the same character of business as other common carriers. In view of this, it is our opinion they should be subject to the same regulation, be required to issue some legal form of Bill of Lading, and be responsible for the safety of their employes and the merchandise they assume to handle.

ISSUANCE OF SECURITIES.

The Commission has exercised unusual care in the authorization of the issuance of securities, refusing authority in several instances where it appeared the conditions did not warrant their issuance, and allowing others. The amount authorized during the year amounted to over two hundred and fifty-nine millions, as set forth in detail in the following pages. These details, however, embrace only the amounts, par value, authorized to be actually or nominally issued and does not include the amounts of corporate authorizations approved but held for further action by the Commission as future needs may demand. Neither does it include any mention of proceedings in which the authority of the Commission has been withheld.

NEW CONSTRUCTION.

New railroad construction during the year 1917 was devoted largely to facilities for industries. The Upper Peninsula roads showed the most increase in industrial spurs, while there was a considerable reduction reported in yard tracks, sidings and industrial tracks, the changes being mostly a readjustment of facilities to meet local needs.

The important extensions of such facilities during the year, all of which are likely to be of but temporary use, are as follows:

Railroad.	Description of Extension.	Date Placed in Service.	Miles.
Escanaba & Lake Superior R. R.	Ralph Branch	1917	3.17
Escanaba & Lake Superior R. R.	Hendricks Branch	1917	4.22
Chicago, Detroit & Canada Grand Trunk Junction R. R.	Mt. Clemens to Aviation Field	1917	2.31

ORDERS ISSUED DURING THE YEAR 1917 COVERING THE FOLLOWING SUBJECTS.

Highway crossing protection	38
Crossings of highways and railroads	26

Approval of maps	10
Approval of plans	22
Railroad crossing railroad	37
Station facilities	1
Miscellaneous	19
Total orders	153
Wire permits	284
Total	437

RAILROADS ABANDONED.

But little Main Line mileage was abandoned. Industrial spurs and branches show a considerable abandonment of lines, mostly incident to exhaustion of the forest resources served by these branches.

Railroad.	Description of line.	Date.	Miles.
Michigan Central R. R. Co	Ellis Branch	Mar. 29, 1917	.....
Michigan Central R. R. Co	Black River Branch	Aug. 9, 1917	2.65
Michigan Central R. R. Co	Cameron Branch	Aug. 9, 1917	.....
Detroit & Mackinac Ry. Co	Black Lake Branch	Sept. 20, 1917	.....
Michigan Central R. R. Co	Cardinal Branch	Sept. 26, 1917	.....
Michigan Central R. R. Co	Camp 14 Branch	Oct. 12, 1917	0.53
Michigan Central R. R. Co	Blue Lake Branch	Oct. 24, 1917	4.14
Michigan Central R. R. Co	Camp 14 Branch	Nov. 2, 1917	1.13
Chicago & Northwestern Ry	Fumee to Loop Line Jct	Dec. 31, 1917	4.48
Chicago & Northwestern Ry	Waucedah to Fumee	Dec. 31, 1917	5.37
Escanaba & Lake Superior R. R	Northland Branch	1917	4.59
Escanaba & Lake Superior R. R	Escanaba Branch	1917	.05
Duluth, South Shore & Atlantic	Webster Branch	Sept. 10, 1917	1.04
Duluth, South Shore & Atlantic	Arnheim Branch	Sept. 8, 1917	.60
Mineral Range Railroad	North End H. & C. R. R.	1917	.49
	North Tamarac Branch	Sept. 8, 1917	1.06

CONSOLIDATIONS, REORGANIZATIONS AND CONVEYANCES.

On March 13, 1917, the Commission authorized the incorporation of the Pere Marquette Railway Company, a reorganization effected by the reorganization committee of the Pere Marquette Railroad Company to receive the assets of the latter company, sold at foreclosure sale, and to own, maintain and operate the same as a common carrier. The transfer of the property was made effective as of April 1, 1917.

During the year the Grand Rapids and Indiana Railway Company purchased the railroad property of the Muskegon, Grand Rapids and Indiana Railroad Company, Muskegon Junction to Muskegon 36.85 miles; and of the Traverse City Railroad Company, Walton Junction to Traverse City 25.86 miles, such purchases were made as May 1, 1917. These roads had been operated for many years by the purchasing company under leases so that the transfer really made no operating change.

On February 27, the Commission approved the incorporation of the Pennsylvania-Detroit Railroad Company, a company allied with the Pennsylvania Railroad Company for the purpose of extending the operations of the latter company to the City of Detroit.

On June 1, the Commission approved the incorporation of the Flint and Great Lakes Railroad Company, a corporation allied to the Detroit United Railways for the purpose of extending their facilities in the City of Flint.

Some progress was made in carrying out the purposes of the two last above mentioned projects during the year, but national effort incident to the war worked to postpone their ultimate completion.

On July 27, the Commission approved tacitly the incorporation of the Monroe Connecting Railway Company, a corporation organized for the carrying out of a railway project in the City of Monroe.

On September 28, the Commission approved the incorporation of the Port Huron & Detroit Railroad Company, a corporation allied to the Detroit, Bay City & Western Railroad Company for the purpose of extending the project of the latter company to Marine City, Mich.

On December 15, the Mineral Range Railroad Company at expiration of lease surrendered the 17.50 miles of road of the Mohawk Mining Company heretofore for several years operated by it.

ELECTRIC LIGHT AND POWER UTILITIES.

At the close of the year 1917, 121 electric light and power utilities were operating in the state. Of these, 28 were in classes A and B, 34 were in Class C and 59 were in Class D. Several of the small utilities in Class D, where coal is made their chief source of energy, have been forced to suspend operations or curtail their service because of the advanced cost of fuel during the year. Several of these companies did not report promptly and some doubt remains as to whether they have suspended operations.

Electric Light and Power Companies were organized during the year as follows:

Michigan Gas & Electric Company.
Mulliken Electric Lighting Company.
St. Joseph Power Company.
Wayland Electric Light & Power Company.

The principal additions of power units during 1917 are as follows:

STEAM POWER	
Consumers Power Company	10,000 K. W. at Wealthy St., Grand Rapids.
Consumers Powers Company	10,000 K. W. at Elm St., Battle Creek.
The Citizens Electric Co	1,500 K. W. at Battle Creek.
The Detroit Edison Co	20,000 K. W. at Connor's Creek, Detroit, Mich.
Houghton County Electric Co	2,500 K. W. at Houghton.
Stearns Lighting & Power Co	1,200 K. W. at Ludington.
HYDRAULIC POWER	
Consumers Power Company	450 K. W. at Allegan and Grand Rapids.
Milford Electric Company	100 K. W. at Milford.

TELEPHONE SERVICE.

A proper exercise of the power of regulation of telephone utilities conferred upon the Commission has necessitated a comprehensive study of existing conditions including rates, service, standards of construction and maintenance, costs of operation and maintenance, depreciation rates, the present financial condition of utility organizations and the present physical condition of the properties.

The Commission has received reports from One Thousand Thirty-nine telephone utilities, some of them being incomplete. It has record of several hundred others which have not yet reported. Included within the report are lists of these companies.

As far as the Commission has been able to secure the necessary information it has made maps of all rural lines showing the territory served by each utility. Much information has been collected concerning the franchise rights, rates, service and general financial and physical condition of these companies, but this work is not yet fully accomplished.

Proper standards of construction and service adapted to the character of the various classes of telephone utilities are being worked out. Very many companies have been assisted by the Commission in standardising their construction, their service and their system of accounting.

All that has been accomplished has been under some handicap because of conditions incident to the war. The Commission has been unable to obtain as much assistance as it should have had and companies have been under the same disadvantage in carrying out the suggestions and orders of the Commission.

Under the direction of the Commission competing exchanges at various points have been consolidated and many other points are under active consideration. This gives to the public a more extensive local exchange and toll service without the expense of duplicate exchanges. It would greatly improve and cheapen telephone service if all competitive exchanges and toll lines were thus treated, but obviously this cannot be accomplished without very careful consideration of the rights and interests of the companies involved as well as those of the public.

The Commission must avoid confiscating the property of any company or individual and must at the same time protect the public against unreasonable rates and unreasonable restrictions of service. In the exercise of the administrative powers the Commission seeks to act broadly and fairly, after having obtained complete and reliable knowledge of the facts.

The powers of the Commission are inoperative until invoked by a complaint from the public or an application from a telephone company. It would greatly expedite the work of the Commission if it could initiate rates and regulatory orders. Some weakness also exists in the provisions of the law relative to the enforcement of its provisions. The Commission has authority to approve consolidations and sales of telephone property, but has no power to order a consolidation even when it would eliminate competition and give the public better service at less cost. These matters could be remedied by simple amendments of the present law if they are desired by the Legislature.

ADJUSTMENT OF CLAIMS

Refunds to shippers covering the application of erroneous rates, etc., in billing have been made through the Commission for the year 1917 to the amount of $8,670.15, as follows:

Formal reparation	$8,518 72
Informal reparation	151 43

PERTAINING TO QUALIFIED TRAINMEN.

During the year 1917, the following certificates were issued in accordance with the provisions of Act 187, Public Acts of 1911:

Conductors	5
Locomotive engineers	47
Flagmen	30
Brakeman	1

FREE OR REDUCED RATE TRANSPORTATION.

Certificates issued during the year 1917 to persons actually engaged in securing immigrants under the provisions of Act 74, Public Acts of 1913:

Name.	Residence.	Date of Certificate.
Frank Aaltonen	Sault Ste. Marie	December 27, 1917.
Lukas Stefanic	Calumet	December 28, 1917.

Respectfully submitted,

C. L. Glasgow (Chairman.),
C. S. Cunningham,
A. A. Keiser,
Commissioners.

STATEMENT SHOWING EXPENSES OF THE MICHIGAN RAILROAD COMMISSION JANUARY 1, 1917 TO DECEMBER 31, 1917.

Commissioners	$9,000 00
Secretary	2,000 00
Chief Inspecting Engineer	2,000 00
Inspectors	3,765 90
Statistician	1,624 80
Chief Clerk	1,500 00
Extra Clerks	7,412 60
Accident fund premium	7 00
Adding machine	396 90
Binding	150 59
Dues	25 00
Express, freight and cartage	69 14
Furniture	580 26
Maps	789 00
Postage	605 60
Printing	1,952 56
Rent	2,524 95
Signs	5 40
Stationery	662 23
Subscriptions	94 10
Supplies	248 72
Telephone and Telegraph	506 10
Traveling expense	633 06
Typewriters	287 12
Total	$36,841 03
Received from sale of maps	115 00
Received from fees	82 00
	$197 00

STOCKS, BONDS, NOTES AND OTHER EVIDENCES OF INDEBTEDNESS AUTHORIZED

BY THE

MICHIGAN RAILROAD COMMISSION

DURING THE YEAR 1917.

STEAM AND ELECTRIC RAILROADS.

Date.	Name of applicant.	Character.	Amount.	Remarks.
Jan. 8	Manistique and Southern R. R. Co.	Capital stock	$240,000 00	Incorporation.
Jan. 11	Detroit, Toledo and Ironton Railroad Co.	First mortgage bonds	100,000 00	
Jan. 11	Michigan Central R. R. Co.	Equip. Trust	9,000 000 00	
Jan. 12	New York Central Railroad Co.	Capital stock	25,000,000 00	
Jan. 11	New York Central Railroad Co.	Equip. trust cert.	12,000,000 00	
Jan. 16	Sault Ste. Marie and Lake Huron Ry. Co.	Capital stock	300,000 00	Incorporation.
Jan. 16	Soo-Snows Railway Co.	Capital stock	250,000 00	Incorporation.
Jan. 18	Chicago and North Western Ry. Co.	Capital stock	15,250,950 00	
Jan. 18	Chicago and North Western Ry. Co.	Equip. trust cert.	12,000,000 00	
Feb. 8	Detroit United Railway Company	Capital stock	2,500,000 00	Increase.
Feb. 8	Detroit, Monroe and Toledo Short Line Ry. Co.	First mort. bonds	59,000 00	
Feb. 27	Michigan Central Railroad Co.	Ref. mtg. bonds	8,000,000 00	
Mar. 14	Detroit, Toledo and Ironton Railroad Co.	First mtg. bonds	200,000 00	
Mar. 21	Pennsylvania-Detroit Railroad Co.	Capital stock	5,000,000 00	
Mar. 23	Pere Marquette Ry. Co.	Common stock	45,043,000 00	
		Prior preference stock	11,200,000 00	
		Preferred stock	12,429,000 00	
		Bonds	30,455,000 00	
Mar. 23	Grand Rapids Railway Co.	Bonds	238,000 00	
Mar. 23	Manistique and Southern R. R. Co.	Order of January 8, 1917 revoked.		
April 4	Detroit United Railway Co.	Bonds	50,000 00	
April 24	Marquette Co. Electric Ry. Co.	Capital stock	25,000 00	Incorporation.
April 26	Detroit, Bay City and Western Railroad Co.	Equip. notes	25,000 00	
May 2	Detroit, Toledo and Ironton Railroad Co.	Bonds	50,000 00	
May 3	New York Central Railroad Co.	Rfdg. and Imp. mtg. bonds	10,000,000 00	
May 25	Detroit, Toledo and Ironton R. R. Co.	Equip. oblg.	500,000 00	
May 31	Detroit Terminal R. R. Co.	Capital stock	1,627,000 00	
June 1	Flint and Great Lakes Railroad Co.	Capital stock	100,000 00	Incorporation.
June 8	New York Central Railroad Co.	Equip. trust cert.	4,755,000 00	
June 22	New York Central Railroad Co.	Guarantee of Boston and Albany bonds	1,000,000 00	
June 26	Delroy Connecting Railroad Co.	Capital stock	200,000 00	
June 29	Escanaba Traction Co.	Capital stock	200,000 00	
July 27	Monroe Connecting Railway Co.	Capital stock	100,000 00	
July 27	Boyne City, Gaylord and Alpena R. R. Co.	First mtg. bonds	800,000 00	
		Capital stock	150,816 67	
		Prom. notes	60,000 00	
Aug. 2	Detroit, Toledo and Ironton R. R. Co.	First mtg. bonds	230,000 00	
Sept. 5	New York Central Railroad Co.	Mortgage bonds	10,000,000 00	
		Trust notes	15,000,000 00	
Sept. 28	Port Huron and Detroit Railroad Co.	Capital stock	7,500 00	Incorporation.
Nov. 28	Michigan United Railways Co.	First and rfd. mtg. bonds	130,000 00	
Dec. 28	Detroit United Railway Co.	First mtg. bonds	50,000 00	
Dec. 31	Detroit, Jackson and Chicago Ry. Co.	Bonds	600,000 00	
	Total		$234,925,266 67	

TELEPHONE COMPANIES.

Date.	Name of Applicant.	Character.	Amount.	Remarks.
Jan. 15	Crystal Telephone Company	Capital stock	$1,000 00	
Mar. 15	Citizens Telephone Company	Bonds	100,000 00	
Mar. 27	Leslie and Onondaga Telephone Co	Capital stock	1,880 00	Incorporation.
Mar. 30	East Alaiedon Telephone Co	Capital stock	575 00	Incorporation.
Feb. 27	Newton-Le Roy Telephone Co	Capital stock	1,500 00	Increase.
May 3	Citizens Telephone Co	Corporate bonds	100,000 00	
May 8	Blanchard Telephone Co	Capital stock	2,000 00	Incorporation.
June 7	Haight-Stannard Telephone Co	Capital stock	3,000 00	
June 7	Traverse Bays Telephone Co	Capital stock	10,000 00	
Aug. 30	Citizens Telephone Company	Corporate bonds	150,000 00	
Sept. 13	Pinconning Mutual Telephone Co	Capital stock	1,500 00	Increase.
Dec. 13	Delton Telephone Co	Capital stock	2,100 00	Incorporation.
Dec. 13	Prairieville Telephone Co	Capital stock	8,000 00	Incorporation.
	Total		$381,555 00	

ELECTRIC LIGHT, GAS AND POWER COMPANIES.

Date.	Name of applicant.	Character.	Amount.	Remarks.
Jan. 4	Thornapple Gas and Electric Company	Capital stock	$80,000 00	
Jan. 4	Indiana and Michigan Electric Co	Bonds	190,000 00	
Jan. 25	Michigan Light Co	First mtg. bonds	367,000 00	
		Preferred stock	400,000 00	
		Common stock	22,800 00	
Jan. 26	Universal Power Co	Bonds	15,000 00	
Feb. 1	Michigan Gas and Electric Co	Capital stock	1,000 00	Incorporation.
Feb. 9	Lansing Fuel and Gas Co	Bonds	200,000 00	
Mar. 8	Detroit Edison Co	Capital stock	3,386,400 00	Increase.
Mar. 8	Michigan Northern Power Co	First mtg. bonds	1,510,000 00	
April 11	Mulliken Electric Lighting Co	Capital stock	3,000 00	Incorporation.
April 19	Sturgis Gas Company	First mtg. bonds	18,000 00	
April 24	Michigan Gas and Electric Co	Preferred stock	400,000 00	Increase.
		First mtg. bonds	458,000 00	
April 25	Consumers Power Company	Bonds	5,008,000 00	
		Preferred stock	1,500,000 00	
		Common stock	547,000 00	
May 1	St. Joseph Power Company	Capital stock	1,000 00	Incorporation.
June 8	St. Joseph Power Company	Capital stock	199,000 00	
June 8	Michigan Light Company	First mtg. bonds	934,000 00	
		Preferred stock	50,000 00	
		Common stock	105,000 00	
June 27	Detroit Edison Company	First mtg. bonds	2,314,000 00	
June 27	Consumers Power Company	Notes	4,000,000 00	
June 27	Michigan Light Company	Notes	700,000 00	
July 27	Frugale Power Company	Capital stock	64,000 00	Increase.
July 27	Indiana and Michigan Electric Co	Corporate bonds	300,000 00	
Sept. 27	Gratiot, County Gas Company	Bonds	25,000 00	
Sept. 28	Benton Harbor, St. Joseph Gas and Fuel Co	Bonds	10,600 00	
Oct. 8	Michigan Gas and Electric Co	Bonds	98,300 00	
Oct. 17	Peninsular Power Company	Common stock	175,000 00	
		Preferred stock	775,000 00	
Nov. 9	Gladwin Light and Power Co	Common stock	5,000 00	
		Preferred stock	29,000 00	
		Bonds	11,000 00	
Nov. 9	Wayland Electric Light and Power Co	Capital stock	5,000 00	Incorporation.
Dec. 14	Iron Mountain Electric Light and Power Co	Capital stock	50,000 00	
Dec. 27	Benton Harbor-St. Joseph Gas and Fuel Co	Bonds	105,000 00	
Aug. 17	St. Joseph Power Company	Order of June 8, 1917 revoked.		
	Total		$24,062,100 00	

MISCELLANEOUS.

Date.	Name of applicant.	Character.	Amount.	Remarks.
Jan. 10	Riverside Water Main Co	Capital stock	$5,000 00	Incorporation.
Jan. 12	Turner Brothers Transfer Co	Capital stock	10,000 00	Incorporation.
Jan. 19	McManus and Bradford	Capital stock	7,000 00	Incorporation.
Jan. 26	St. Joseph Auto Car Line Co	Capital stock	3,000 00	
Mar. 29	Flint Auto Trucking Co	Capital stock	5,000 00	Incorporation.
April 13	Diamond Trucking Co	Capital stock	5,400 00	Incorporation.
May 10	Lincoln Cartage Co	Capital stock	5,000 00	Incorporation.
May 8	East Side Trucking Co	Capital stock	5,000 00	Incorporation.
June 1	Lansing Taxicab Co	Capital stock	10,000 00	Incorporation.
June 13	Cameron Steamship Co	Capital stock	150,000 00	Incorporation.
June 13	Cameron Steamship Co	Bonds	150,000 00	
June 26	Southern Michigan Trucking Co	Capital stock	2,000 00	Incorporation.
July 27	Hammond-Vandawarker Trucking Co	Capital stock	9,000 00	Incorporation.
Aug. 31	Kent Transit Company	Capital stock	6,000 00	Incorporation.
Oct. 26	Detroit and Windsor Ferry Co	Capital stock	190,000 00	Increase.
Nov. 7	Merchants Auto. Delivery Co	Capital stock	3,200 00	Incorporation.
Dec. 14	Lincoln Cartage Co., Inc	Capital stock	11,500 00	Incorporation.
	Totals		$577,100 00	

ACCIDENTS ON RAILROADS IN MICHIGAN DURING THE YEAR 1917.

REPORT OF ACCIDENTS ON RAILROADS IN MICHIGAN DURING CALENDAR YEAR 1917.

	Killed.				Injured.				Total.	
	Employees.	Passengers.	Trespassers.	Others.	Employees.	Passengers.	Trespassers.	Others.	Killed.	Injured.
At stations or loading platforms	.....	.....	.....	.....	7	2	.....	3	.....	12
Coupling or uncoupling cars	9	.....	.....	.....	39	.....	.....	.....	9	39
Collision	4	1	2	36	75	814	1	543	43	1,432
Derailment	3	1	1	1	50	229	.....	7	6	286
Defect or failure of roadway or equipment	1	.....	.....	.....	3	17	.....	.....	1	20
Falling from locomotive or cars	11	3	15	1	113	28	4	4	30	149
Getting on or off cars	1	1	.....	.....	57	181	.....	.....	2	239
Grade crossing	2	1	5	95	19	17	7	229	103	272
Handling freight or baggage	.....	.....	.....	.....	99	.....	.....	1	.....	100
Jumping on or off locomotive or cars	1	5	8	3	36	179	21	3	17	239
Overhead or side obstruction	3	2	.....	.....	29	26	1	2	5	58
Parting of trains	1	.....	.....	.....	3	.....	.....	.....	1	3
Repairing track or roadbed	6	.....	.....	.....	97	.....	.....	.....	6	97
Switching	2	.....	.....	.....	89	.....	.....	.....	2	89
Struck by locomotive or cars	50	1	127	52	47	4	61	341	230	453
Miscellaneous	6	.....	4	2	487	92	10	15	12	604
Total	100	15	162	190	1,250	1,589	105	1,149	467	4,093

Money damage:

To track	$17,614 88
To equipment	74,538 79
Not segregated	231,984 23
Total	$324,137 90

Total accidents 3,441

ORDERS AND PERMITS ISSUED DURING THE YEAR 1917.

WIRE PERMITS ISSUED BY THE MICHIGAN RAILROAD COMMISSION.

No.	Date.	Issued to.	To cross tracks of.	Location.	Description.
G-7406	Jan. 3	Tecumseh Electric Company	N. Y. C. R. R.	Deerfield on Drew, Carey, Raisin and Park Streets	5 wires, 2300 volts.
G-7407	Jan. 3	Detroit Edison Company	Detroit Ter. R. R.	Detroit between Knodell and Devine Ave. 1,200 feet east of Gratiot	3 wires 220, volts
				Highland Park, Oakland Ave., 900 feet north Manchester Ave.	3 wires, 110 volts.
G-7408	Jan. 3	Detroit Edison Company	Wabash Ry. Co.	Detroit; South St. between Schroeder & Post Ave., Mackie between Crossley and West End. Mackie St. 30 feet west of Crossley	6 wires in each case with 4,600.
G-7409	Jan. 3	Michigan State Telephone Company	P. M. R. R.	Benton Harbor Graham Street	1, fifty pair cable.
G-7410	Jan. 8	Michigan State Telephone Company	P. M. R. R.	Lansing, Turner Street	10 Telephone wires.
G-7411	Jan. 9	Michigan State Telephone Company	C. & N. W. Ry.	Caspian, near station	10 telephone wires.
G-7412	Jan. 10	Detroit Edison Company	G. T. Ry.	Mt. Clemens, Rose Street	2 wires, 4,600 volts.
G-7413	Jan. 10	Valley Home Telephone Co.	P. M. R. R.	Bay Port, 1 mile west, also 3 miles west	10 telephone wires.
G-7414	Jan. 11	Detroit Edison Company	Amer. Car & Fdy. Co.	Detroit, Ferry Ave., between Riopelle St. and G. T. R. R.	3 wires, 220 volts.
G-7415	Jan. 12	Indiana & Michigan Electric Company	Mich. C. R. R.	Galien, Grant Street	3 wires, 25,000 volts and 1 ground wire.
G-7416	Jan. 18	Michigan State Telephone Co.	M. C. R. R.	Detroit, M. C. spur intersection of West Jefferson Ave.	10 telephone wires.
G-7417	Jan. 23	Detroit Edison Company	M. C. R. R.	Hamtramck, 380 ft. north Holbrook, 360 ft. east of Elmtree Aves.	3 wires, 4,600 volts.
G-7418	Jan. 23	Detroit Edison Company	M. C. R. R.	Detroit, Conant Road over track leading to yard track at North Yards	3 wires, 4,600 volts.
G-7419	Jan. 23	Detroit Edison Company	D. T. R. R.	Detroit, between Devine & Knodell Aves.	2 wires, 2,300 volts; 3 wires, 200 volts.
G-7420	Jan. 23	Michigan State Telephone Company	N. Y. C. R. R.	Litchfield, St. Joe Street	1, fifty pair cable.
G-7421	Jan. 27	Detroit Edison Company	M. C. R. R.	Detroit, Belleview Ave., 250 feet south of Jefferson Ave.	6 wires, 220 volts.
G-7422	Jan. 27	Consumers Power Company	G. T. Ry.	Flint, Wilcox St.	3 wires, 5,000 volts; 2 wires, 6,000 volts; 1 guy wire.
G-7423	Jan. 27	Consumers Power Co.	M. C. R. R.	Midland.. Townsend Street	4 wires, 1,000 volts.
				Midland.. Ashman Street	6 wires, 1,000 volts.
				Midland.. State Street	4 wires, 1,000 volts.
G-7424	Jan. 27	Michigan State Telephone Co.	P. M. R. R.	Six Lakes, Main Street	10 telephone wires.
G-7425	Jan. 27	Michigan State Telephone Company	M. C. R. R.	Niles Twp. Berrien Co., Brandywine Road	10 telephone wires.
G-7426	Jan. 31	Detroit Edison Company	G. T. Ry.	Hamtramck Twp., Wayne Co. Davison Road	3 wires, 220 volts.
				Hamtramck Twp., Wayne Co. Conant Road	3 wires, 4,600 volts.
G-7427	Jan. 31	Detroit Edison Company	Solvay Process Co.	Mongaugon Twp., Wayne Co., 200 feet north King Road	2 wires, 220 volts; 2 wires 4,600 volts.
G-7428	Jan. 31	Detroit Edison Company	P. M. R. R.	Plymouth, Farmer and Starkweather Sts., Northville Road on Plymouth and Northville Twps. line	2 telephone wires.
G-7429	Feb. 1	Consumers Power Company	P. M. R. R.	Midland.. Revere Street	4 wires, 1,000 volts.
				Midland.. Benson Street	6 wires, 1,000 volts.
G-7430	Feb. 1	Marquette Co. Gas & Electric Company	D. S. S. & A. Ry.	Ishpeming, near old New York Store	1 wire, 110 volts.
G-7431	Feb. 1	Michigan State Telephone Co.	G. R. & I Ry.	Kalamazoo, First Street	10 telephone wires.
G-7432	Feb. 1	Michigan State Telephone Co.	G. R. & I. Ry.	Mancelona Twp., Antrim Co., between sections 3 and 4	10 telephone wires.
G-7433	Feb. 1	Detroit Edison Company	Wabash Railway	Oakwood, Fort Street, 250 feet west of Fifth Street	3 wires, 4,600 volts.
G-7434	Feb. 7	Consumers Power Company	P. M. R. R.	Muskegon, Jay Street, between Amity and Allen Sts.	3 wires, 480 volts

WIRE PERMITS.—Continued.

No.	Date.	Issued to.	To cross tracks of.	Location.	Description.
G-7435	Feb. 9	Indiana & Michigan Electric Co	P. M. R. R.	Buchanan, alley between Arctic and Elizabeth Sts	3 wires, 25,000 volts; 1 ground wire.
G-7436	Feb. 9	Detroit Edison Company	N. Y. C. R. R.	Detroit, 1,800 feet east of intersection Fort and Dearborn	3 wires, 4,600 volts.
G-7437	Feb. 9	Michigan State Telephone Co	P. M. R. R.	Flint, Second St., also 400 feet south of Saginaw St	1 fifty pair cable.
G-7438	Feb. 9	Michigan State Telephone Co	G. T. Ry	Foster, southeast of station	10 telephone wires.
G-7439	Feb. 9	GainesFarmers Mutual Telephone Co	G. T. Ry	Gaines, 1,595 feet west of mile post 63	2 telephone wires.
G-7440	Feb. 10	Montrose Light & Power Co	G. T. Ry	Montrose, State Street, 4,448 feet south mile post 22-30	2 wires, 118 volts.
G-7441	Feb. 14	Consumers Power Company	P. M. R. R.	Flint, Fenton St	3 wires, 5,000 volts; 3 wires, 110-220 volts
G-7442	Feb. 14	Detroit Edison Company	M. C. R. R.	Detroit, east of Detroit City Gas Co. plant	3 wires, 220 volts; 3 wires, 200 volts; 3 500-000 circular mills 200 volts.
G-7443	Feb. 14	Detroit Edison Company	Wabash Ry	Detroit, 1,800 feet east intersection Fort St. and Dearborn Rd	3 wires, 4,600 volts.
G-7444	Feb. 14	Detroit Edison Company	M. C. R. R.	Oakwood, Fort St., about 200 feet west Fifth St	3 wires, 4,600 volts.
G-7445	Feb. 15	Consumers Power Company	M. C. R. R.	Battle Creek, Division St. north	12 wires, 5,000 volts; 1 500,000 feeder cable.
				35 east of east line of Clair St	9 wires, 12,000 volts.
G-7446	Feb. 15	Michigan State Telephone Co	D. S. S. & A. Ry	Perch, 150 feet east section house	10 telephone wires.
G-7447	Feb. 15	Michigan State Telephone Co	M. C. R. R.	Detroit, intersection with White Street	1, fifty pair cable.
G-7448	Feb. 20	Detroit Edison Company	M. C. R. R.	N. Detroit, alley between Rugg and Wagner Aves	2 wires, 23,000 volts; 3 wires, 220 volts.
G-7449	Feb. 20	Michigan State Telephone Co	D. & M. Ry	Linwood, 3 miles north of	10 telephone wires.
G-7450	Feb. 20	Citizens Telephone Co	G. T. Ry	Battle Creek, south of Upton Ave., 600 feet from west city line.	10 telephone wires.
G-7451	Feb. 20	Detroit Edison Company	Wabash Ry	Romulus, Second Street	2 wires, 110 volts.
G-7452	Feb. 20	Consumers Power Company	D. &. M. Ry	Bay City, Prairie St	3 wires, 2,200 volts.
G-7453	Feb. 24	Consolidated Telephone Co	P. M. R. R.	Sandusky, 2 miles east of	2 telephone wires.
G-7454	Feb. 24	Newton-LeRoy Telephone Co	M. C. R. R.	Sonoma, Battle Creek Road, just south of station	10 telephone wires.
G-7455	Feb. 24	Detroit Edison Company	M. C. R. R.	Delray, Dearborn Ave	3 wires, 4,600 volts.
G-7456	Feb. 24	Consumers Power Company	G. T. Ry	Flint, Fenton Street	3 wires, 5,000 volts; 3 wires, 110-220 volts.
G-7457	Feb. 28	Detroit Edison Co	G. T. Ry	Detroit, Riopelle St., Twombley Ave.	3 wires, 4,600 volts.
G-7458	Feb. 28	Detroit Edison Co	D. T. & I. R. R.	Wyandotte Heights, Mongaugon Twp., Sibley Road, 100 feet east of Jefferson Ave	3 wires, 2,300 volts.
G-7459	Mar. 6	Consumers Power Company	Cin. Nor. R. R.	Jackson, Napolean Road	5 wires, 5,000 volts.
G-7460	Mar. 3	Michigan State Telephone Co	D. S. S. & A. Ry	Newberry, 2½ miles east of	10 telephone wires.
G-7461	Mar. 5	Consumers Power Company	Mich. E. & W. Ry	Newkirk Twp., Lake County, near E. line of SW ¼ of NW ¼ Sec. 14	6 wires, 140,000 volts.
G-7462	Mar. 5	Consumers Power Company	Mich. E. & W. Ry	Newkirk Twp., Lake County, near E. line of SW ¼ of NW ¼ Sec. 14	4 telephone wires.
G-7463	Mar. 5	Village of Ford	M. C. R. R., D. T. & I. and D. T. S. L. R. R.	Ford, North Line Road, Antoine, River Bank Manor Ave	4 wires, 2,200 volts.
G-7464	Mar. 6	Detroit Edison Company	N. Y. C. R. R.	Ypsilanti, Huron St	2 telephone wires.
G-7465	Mar. 6	Detroit Edison Company	M. C. R. R.	Detroit, No. Belt Line Jct. Yd., west of Joseph Campau Ave.	3 wires, 220 volts.
G-7466	Mar. 13	Detroit Edison Company	P. M. R. R.	Romulus, Howard St	2 wires, 110 volts.
G-7467	Mar. 14	Marquette Co. Gas & Electric Co	D. S. S. & A. Ry	Diorite, mile east of Clarksburg near American Mine	3 wires, 13,200 volts.
G-7468	Mar. 16	Michigan State Telephone Co	P. M. Ry	Benton Harbor, 3 miles south of, on Nickerson Ave. Road	20 open wires.
G-7469	Mar. 19	Michigan State Telephone Co	D. & M. Ry	Oscoda Twp., Iosco County, T 24 N, R 8 E, also T 24 N, R 7 E	10 telephone wires.

G-7470	Mar. 19	Detroit Edison Company	Wabash Ry	Detroit	1,000 feet N. E. of intersection of Ecorse Ave. and Fort St. Blvd
					Over Spur on private property, Mulkey Salt Co
G-7471	Mar. 19	Consumers Power Co	G. R. & I. Ry	Muskegon Heights, Reynolds Sts. and Keating Ave	3 wires, 480 volts.
G-7472	Mar. 23	Byers Roadway Telephone Company	G. R. & I. Ry	Stanwood, 3½ miles north of	2 telephone wires.
G-7473	Mar. 23	Village of Ford	N. Y. C. R. R	Ford, North Line Road, Antoine St. and River Bank Manor Ave	6 wires, 2,200 volts.
G-7474	Mar. 24	Consumers Power Company	G. T. Ry	Bay City, Prairie St	3 wires, 2,200 volts.
G-7475	Mar. 27	Detroit Edison Company	D. T. R. R	Detroit, 12th St., 150 feet south Brown Ave	3 wires, 4,600 volts; 2 wires, 2,300 volts.
G-7476	Mar. 27	Michigan State Telephone Co	M. C. R. R	Linwood, 3 miles north of, between sections 14 and 23	10 telephone wires.
G-7477	Mar. 28	Detroit Edison Company	M. C. R. R	Oxford, 2,400 feet south of freight house	3 wires, 4,600 volts.
G-7478	Mar. 30	Consumers Power Co	P. M. R. R	Grand Rapids, Oaks St., between Ottawa Ave. and Ellsworth Ave	3 wires, 7,200 volts.
G-7479	Mar. 30	Michigan State Telephone Company	N. Y. C. R. R	Hillsdale, Logan St., also 300 feet west of Logan St	20 telephone wires.
G-7480	Mar. 31	Detroit Edison Company	D. T. & I. R. R	Ecorse, St. Cosma Road	2 telephone wires.
G-7481	Mar. 31	Detroit Edison Company	M. C. R. R	Detroit, near Wight St. and Joseph Campau Ave	3 wires, 220 volts.
G-7482	Mar. 31	Mulliken Electric Light Co	P. M. R. R	Mulliken, Charlotte St	2 wires, 110 volts.
G-7483	April 3	Detroit Edison Company	P. M. R. R	Springwells Twp., Wayne County, Southern Ave., about 640 feet east of Miller Road	3 wires, 4,600 volts.
G-7484	April 3	Detroit Edison Company	Fort St. Union Depot Co	Detroit, 400 feet southwest Jefferson Ave	3 wires, 4,600 volts.
G-7485	April 7	Michigan State Telephone Co	G. R. & I. Ry	Littlefield Twp., Emmet Co., between sections 16 and 17	10 telephone wires.
G-7486	April 10	Michigan Alkali Co	P. M. R. R	Raisinville Twp., Monroe County	2 telephone wires.
G-7487	April 11	Detroit Edison Co	G. T. Ry	Royal Oak Twp., Oakland County, twelve mile road., between sections 8 and 17	2 wires, 4,600 volts.
G-7488	April 11	Detroit Edison Co	D. T. S. L. R. R	Ecorse, St. Cosme Rd	2 telephone wires.
G-7489	April 12	Consumers Power Co	G. T. Ry	Pontiac, Jesse St	2 wires, 5,000 volts; 3 wires, 2,300 volts; 3 wires, 110-220 volts.
G-7490	April 13	Elk Electric Co	P. M. R. R	Angell Station and 1 mile north of	3 wires, 6,600 volts.
G-7491	April 16	Calumet & Hecla Mining Co	C. & H. R. R	Calumet Twp., Houghton Co	1 feeder carrying 13,200 volts.
G-7492	April 20	Consumers Power Co	M. C. R. R	Midland, State St	2 wires, 2,400 volts.
G-7493	April 20	Detroit Edison Company	P. M. R. R	Town line between Plymouth and Northville Twps., Wayne County	2 wries, 4,600 volts.
G-7494	April 20	Detroit Edison Company	M. C. R. R	Ecorse, St. Cosme Line Road	2 telephone wires.
G-7496	April 20	Detroit Edison Company	N. Y. C. R. R	Ecorse, St. Cosme Line Road	2 telephone wires.
G-7497	April 20	Detroit Edison Company	M. C. R. R	Detroit, Boulevard and Main Line	3 wires, 230 volts; 3 wires, 230 volts.
G-7498	April 20	Detroit Edison Company	M. C. R. R	Goodison, 1¾ miles south of, between Oakland and Avon Township, Oakland County	2 wires, 4,600 volts.
G-7499	April 20	Detroit Edison Company	G. T. Ry	Royal Oak Twp., Oakland County, Benjamin St	2 wires, 110 volts.
G-7500	April 20	Detroit Edison Company	M. C. R. R	Springwells Twp., Wayne County, Southern Ave. between Carleton Ave. and Miller Road	3 wires, 4,600 volts.
G-7501	April 25	Michigan State Telephone Co	C. C. C. & St. L. Ry.	Benton Harbor, 5 miles south of Pike stone road	10 telephone wires.
G-7502	April 28	Michigan State Telephone Co	P. M. R. R	Alma, over industrial track to Republic Motor Truck Plant	20 telephone wires.
G-7503	April 28	Detroit Edison Company	Detroit Ter. R. R	St. Clair Heights, 700 feet east Mt. Clair Ave	2 wires, 2,300 volts.
				Jackson	Page Ave., between Russel and Forbes St. — 5 wires, 5,000 volts.
					Prospect Blvd — 3 wires, 5,000 vlts.; 3 wires, 120-240 volts.
					Park Place — 3 wires, 480 volts; 3 wires, 240 volts.
G-7504	April 28	Consumers Power Co	M. C. R. R		Just north of Round house — 3 wires, 5,000 volts.
					Elm Street — 3 wires, 5,000 volts.
					Liberty St — 3 wires, 5,000 volts.

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WIRE PERMITS.—Continued.

No.	Date.	Issued to.	To cross tracks of.	Location.	Description.
G-7505	May 2	Detroit Edison Co.	Detroit Ter. R. R.	Detroit, east of Connor's Lane, 350 feet north Waterloo St.	3 wires, 4,600 volts.
G-7506	May 3	Village of Ubly	P. M. R. R.	Ubly, Main St.	6 wires, 220 volts.
G-7507	May 19	Detroit Edison Co.	Mich. C. R. R.	Detroit, alley north of La Grand Ave., between La Grand and Wyoming	3 wires, 220 volts.
G-7508	May 19	Michigan State Telephone Co.	Det. Ter. R. R.	Detroit, between Anderson and Oakland Ave.	10 open wires.
G-7509	May 19	Marquette County Gas & Electric Co.	C. & N. W. Ry.	Tilden Twp., Marquette County, SE ¼ Section 3	2 wires, 110 volts.
G-7510	May 19	Detroit Edison Co.	G. T. Ry.	Detroit, east of Morrow Ave. and about 500 feet east of Marston Ave.	3 wires, 4,600 volts.
G-7511	May 21	Consumers Power Co.	M. C. R. R.	Saginaw County, Carrollton Twp., ShattuckRoad between Elm and Carrollton	3 wires, 5,000 volts; 3 wires, 220 volts.
G-7512	May 21	Consumers Power Co.	M. C. R. R.	Carrollton, Maple & Washington Streets	3 wires, 5,000 volts; 3 wires, 220 volts.
G-7513	May 21	Consumers Power Co.	G. T. Ry.	Saginaw County, Carrollton Twp.,Shattuck Road between Elm and Carroll ton Road	3 wires, 2,500 volts; 3 wires, 220 volts.
G-7514	May 21	Consumers Power Co.	G. T. Ry.	Carrollton, Maple and Washington Streets	3 wires, 2,500 volts; 3 wires, 220 volts.
G-7515	May 21	Detroit Edison Company	Ann Arbor R. R.	Ann Arbor, South State St.	2 wires, 2,300 volts; 3 wires, 110 volts.
G-7516	May 25	Michigan State Telephone Co.	P. M. R. R.	Lawndale, about 1¼ miles east of	10 open wires.
G-7517	May 26	Detroit Edison Company	Wabash Ry.	Milan, County Street	3 wires, 110-220 volts.
G-7518	May 26	Detroit Edison Company	G. T. Ry.	Richmond, Main and Division Streets	3 wires, 220 volts.
G-7519	May 28	Michigan State Telephone Co.	Det. Ter. R. R.	Detroit, between Mack and Shoemaker Avenues	10 open wires.
G-7520	June 2	Detroit Edison Company	M. C. R. R.	Warren, 2 miles south of, at eleven mile road	2 wires, 4,600 volts.
G-7521	June 2	Detroit Edison Company	P. M. R. R.	Plymouth Station, about 4,000 feet east on Shattuck Road	3 wires, 4,600 volts.
G-7522	June 2	Detroit Edison Company	Mich. Cen. R. R.	Detroit, Wight St., [illegible] feet east of Meldrum Ave.	3 wires, 4,600 volts.
G-7524	June 5	Michigan State Telephone Co.	P. M. R. R.	Bay City, W. S., near Niagara and Bristol Streets	20 open wires.
G-7525	June 11	Rouge River Electric Light & Power Co.	G. R. & I. Ry.	Rockford, 50 feet north of G. R. & I. station	1 wire, 220 volts.
G-7526	June 11	Michigan State Telephone Co.	P. M. R. R.	Delta: 2 miles east of, intersection with Turnpike Road	20 open wires.
				Delta: intersection with highway between sections 36, Watertown Twp., Sec. 31 Dewitt, Clinton Co.	20 open wires.
G-7527	June 13	Michigan State Telephone Co.	Mt. Clemens Sug. Co	Mt. Clemens, intersection with spur with sugar bush road	20 open wires.
G-7528	June 14	Detroit Edison Co.	D. T. & I. R. R.	Ecorse, St. Cosme Road	2 wires, 2,600 volts.
G-7529	June 14	Detroit Edison Co.	Michigan Cen. R. R.	Detroit, 450 feet south of Clay, 650 west of St. Aubin Ave.	3 wires, 230 volts.
G-7530	June 14	Consumers Power Co.	M. C. R. R.	Bay City, across old Hecla Cement track	8 wires, 2,200 volts.
G-7531	June 14	Indiana & Michigan Electric Co.	M. C. R. R.	Galien, intersection of highway and Benton Harbor Division	5 wires, 2,300 volts; 3 wires, 110-220 volts.
G-7532	June 18	Detroit Edison Company	Det. Ter. R. R.	Springwells Twp., Wayne County, Ford Road	3 wires, 4,600 volts.
G-7533	June 18	Detroit Edison Company	Wabash Ry.	Detroit, Livernoise Rd., north of Toledo Ave.	2 wires, 4,600 volts.
G-7534	June 19	Detroit Edison Company	Wabash Ry.	Detroit, South Street, near Post Ave.	2 wires, 2,300 volts.
G-7535	June 21	Manton Electric Light Co.	G. R. & I Ry.	Manton, north of	4 wires, 2,300 volts.
G-7536	June 22	Detroit Edison Company	M. C. R. R.	Ecorse, St. Cosme Road	2 wires, 4,600 volts.
G-7537	June 22	Detroit Edison Company	M. C. R. R.	Detroit, Londale Ave.	2 wires, 2,300 volts.
G-7538	June 22	Detroit Edison Company	G. T. Ry.	South Lyon, Lafayette St.	2 wires, 2,300 volts.
G-7539	June 22	Detroit Edison Company	G. T. Ry.	Armada, Fulton St.	2 wires, 220 volts.
G-7540	June 28	Detroit Edison Company	N. Y. C. R. R.	Detroit, Livernoise Ave., north of Toledo Ave.	3 wires, 4,600 volts.
G-7541	July 6	Detroit Edison Company	Rapid R. R.	New Baltimore, highway between St. Clair & Macomb Co's.	3 wires, 2,300 volts.
G-7542	July 6	Lapeer Gas-Electric Co.	G. T. Ry.	Lapeer, Monroe Street	3 wires, 220 volts.
G-7543	July 9	Detroit Edison Company	W. & P. M. Joint R. R.	Detroit, Artillery Ave.	2 wires, 2,300 volts.
G-7544	July 9	Detroit Edison Company	M. C. R. R.	Detroit, Artillery Ave., just south of Fort St.	2 wires, 2,300 volts.

G-7545	July 10	Michigan State Telephone Company	Det. Ter. R. R.	Detroit, between Miller Road and National Oil Plant	10 telephone wires.
G-7546	July 13	Consumers Power Company	P. M. R. R.	Muskegon, Henry Street	3 wires, 480 volts.
G-7547	July 13	Detroit Edison Company	M. C. R. R.	Detroit, Livernoise Road, north of Toledo Ave. and Military Ave., 3,000 feet south of Michigan	3 wires, 4,600 volts.
G-7548	July 13	Valley Home Telephone Co	D. & M. Ry	Bay City, Euclid Ave	5 pairs telephone wires.
G-7549	July 16	Detroit Edison Company	G. T. Ry	Birmingham, Manor Road	2 wires, 4,600 volts.
G-7550	July 17	Consumers Power Co	G. R. & I. Ry	Muskegon, Keating Ave. and alley west of Acorn St	6 wires, 7,200 volts.
G-7551	July 17	Detroit Edison Company	Det. Ter. R. R.	Detroit, 500 feet south of Kercheval and 50 feet east of Taft Ave	3 wires, 4,600 volts.
G-7552	July 17	River Rouge Electric Light & Power Co	G. R. & I. Ry	Rockford, about 60 feet north of G. R. & I. Depot	2 wires, 220 volts.
G-7553	July 18	Detroit Edison Company	Wabash Ry	Detroit. Hastings St., 270 feet north of Trombley Ave	3 wires, 240 volts.
				Detroit. Russel St., between Trombley and Piquette Ave	3 wires, 4,600 volts.
G-7554	July 19	Valley Home Telephone Co	M. C. R. R.	St. Charles, Water St	2 telephone wires.
G-7555	July 19	Detroit Edison Company	G. T. Ry	North Detroit. Van Dyke Ave., 250 feet north of Davison Road	3 wires, 2,300 volts.
				North Detroit. Woodward and Catalpa Drive, 945 feet north of mile post 175	2 wires, 4,600 volts.
G-7556	July 19	Detroit Edison Company	Det. Ter. R. R.	Highland Park, Second Ave	2 wires, 2,300 volts.
G-7557	July 23	Michigan State Telephone Co	G. R. & I. Ry	Belmont, in section 21 also between Sections 15 and 16 Plainfield Township	20 telephone wires.
G-7558	July 25	Detroit Edison Company	P. M. Ry	Plymouth, Starkweather St	2 wires, 4,600 volts.
G-7559	July 26	Michigan State Telephone Co	Soo Line	Masonville	telephone wires.
G-7560	July 28	Detroit Edison Company	M. C. R. R.	Detroit, Wabash Ave	3 wires, 4,600 volts; 3 wires, 220 volts; 3 wires, 230 volts.
G-7561	July 30	Public Lighting Commission	M. C. R. R.	Detroit, Livernoise Ave	2 wires, 6,600 volts.
G-7562	July 31	Detroit Edison Company	G. T. Ry	Detroit, Dequindre St	3 wires, 4,600 volts.
G-7563	July 31	Detroit Edison Company	G. T. Ry	Washington Twp., Macomb County., Knight's Crossing	2 wires, 4,600 volts.
G-7564	Aug. 1	Public Lighting Commission	M. C. R. R.	Detroit, Military Ave., north of Ranspach	2 wires, 6,600 volts.
G-7565	Aug. 6	Detroit Edison Company	Detroit Ter. R. R.	Detroit, 125 north of Knodell Ave	3 wires, 220 volts.
G-7566	Aug. 9	East Ingalls Telephone Co	C. & N. W. Ry	Ingalls, ½ mile north of	2 telephone wires.
G-7567	Aug. 10	Detroit Edison Company	D. & T. S. L. R. R.	Monroe, east end of Noble St	3 wires, 2,300 volts.
G-7568	Aug. 11	Detroit Edison Company	M. C. R. R.	Detroit, Scotten Ave., south of Michigan Ave	3 wires, 4,600 volts.
G-7569	Aug. 13	Consumers Power Company	D. & M Ry	Harrisville, 2 miles south of	3 wires, 20,000 volts.
G-7570	Aug. 13	Consumers Power Company	D. & M. Ry	Harrisville, 4 miles south of	3 wires, 20,000 volts.
G-7571	Aug. 14	Detroit Edison Company	G. T. Ry	Detroit, about 100 feet west of West Grand Blvd	3 wires, 220 volts.
G-7572	Aug. 14	Detroit Edison Company	M. C. R. R.	Monroe, east of east end of Noble St	3 wires, 2,300 volts.
G-7573	Aug. 14	Detroit Edison Company	M. C. R. R.	Detroit, 36 feet north of Gould Ave., and 125 feet west of Crossley Ave	6 wires, 4,600 volts.
G-7574	Aug. 14	Consumers Power Company	G. T. Ry	Muskegon, Laketon Ave., also in alley west of Acorn St	6 wires, 7,200 volts.
G-7575	Aug. 15	Consumers Power Company	N. Y. C. R. R.	Wentworth, about 1 6/10 miles north of	3 wires, 16,000 volts.
G-7576	Aug. 16	King Paper Co	C. K. & S. and G. T. Ry	Kalamazoo, Vine St	3 wires, 2,200 volts; 1 telephone wire.
G-7577	Aug. 16	Detroit Edison Company	W. & P. M. Joint R. R.	Detroit. Campbell Avenue	3 wires, 220 volts.
				Detroit. Summitt Street	2 wires, 2,300 volts.
G-7578	Aug. 18	Detroit Edison Company	N. Y. C. R. R.	Monroe. Winchester and First; Fourth and Kentucky Sts.	2 wires, 110 volts.
				Monroe. Noble Street	3 wires, 2,300 volts.
				Monroe. Scott and First Streets	3 wires, 220 volts.
G-7579	Aug. 29	Michigan State Telephone Co	C. & N. W. R. R.	Powers, on Sec. line between Sec. 16 and 17	2 telephone wires.
G-7580	Aug. 30	Otter Lake Light & Power Co	M. C. R. R.	Millington, 1½ miles south of	2 wires, 13,200 volts.
G-7581	Sept. 4	Montrose Light & Power Co	G. T. Ry	Montrose, north side of State Street	1 wire, 110 volts; 3 wires, 220 volts.
G-7582	Sept. 5	Consumers Power Company	M. C. R. R.	Saginaw, Hoyt St., between Franklin and Baum Streets	3 wires, 4,800 volts.

WIRE PERMITS.—Continued.

No.	Date.	Issued to.	To cross tracks of.	Location.	Description.
G-7583	Sept. 6	Detroit Edison Company	M. C. R. R.	Detroit, Hartwick Ave., about 700 feet north of Clay Ave.	3 wires, 4,600 volts.
G-7584	Sept. 7	Tecumseh Electric Co.	N. Y. C. R. R.	Britton	2 wires, 220 volts.
G-7585	Sept. 15	Detroit Edison Company	M. C. R. R.	Denton, Main Street	1 wire, 110 volts.
G-7586	Sept. 17	Consumers Power Company	P. M. Ry. and G. R. & I. Ry.	Comstock Park, opposite Fair Ground entrance	3 wires, 440 volts; 3 wires, 120-240 volts.
G-7587	Sept. 18	Detroit Edison Company	P. M. R. R.	Northville, Seven Miles Road, just east of Plymouth Road	3 wires, 4, 600 volts.
G-7588	Sept. 20	Consumers Power Company	G. T. Ry.	Saginaw, Hoyt St., between Franklin and Baum	3 wires, 4,800 volts.
G-7589	Sept. 20	Pinconning Elevator Co.	D. & M. R. R.	Pinconning, ½ mile north, also at Lapan Crossing	2 telephone wires.
G-7590	Sept. 24	War Department at Camp Custer	M. C. & M. Ry.	Camp Custer, Battle Creek	3 wires, 2,300 volts.
G-7591	Sept. 24	Detroit Edison Company	D. T. & I. Ry.	Detroit, alley south of Mackie St., 45 feet east of alley east of Harbaugh Ave	3 wires 220volts.
G-7592	Sept. 25	Detroit Edison Company	N. Y. C. R. R.	Monroe, intersection of Jerome and First Street	9 wires, 4,600 volts.
G-7593	Sept. 25	Michigan State Telephone Co.	P. M. R. R.	Bay City, Grant Street north of Twenty-fourth St.	Ariel ring, capacity 20 circuits telephone wires.
G-7594	Sept. 25	Michigan State Telephone Co.	M. C. R. R.	Galesburg, Ludington Farm Crossing	2 telephone wires.
G-7595	Sept. 29	Michigan State Telephone Co.	C. & N. W. Ry.	SW ¼ of NE ¼, Sec. 14, T 39 N, R 30 W	2 telephone wires.
G-7596	Oct. 1	Detroit Edison Company	M. C. R. R.	Delray, Green Ave	2 wires, 2,300 volts.
G-7597	Oct. 2	Detroit Edison Company	M. C. R. R.	Hamtramck, alley north of Wyoming Ave., 300 feet east of Ackley St	3 wires, 220 volts.
G-7598	Oct. 3	Detroit Edison Company	Wabash Ry.	Detroit, Lawndale Ave., 300 feet north of Fort Street	2 wires, 2,300 volts.
G-7599	Oct. 3	Public Lighting Commission	C. D. & C. G. T. Jct. R. R.	Detroit: Conant Road	4 wires,6,600 volts.
				Detroit: Beamer Road	1 wire, 6,600 volts.
				Detroit: Van Dyke Ave	1 wire, 6,600 volts.
				Detroit: Milwaukee Ave	2 wires, 6,600 vots.
				Detroit: St. Aubin Ave.	2 wires, 6,600 vollts.
G-7600	Oct. 3	Public Lighting Commission	D. G. H. & M. Ry.	Detroit, Palmer Blvd	2 wires, 6,600 volts.
G-7601	Oct. 3	Public Lighting Commission	M. C. R. R.	Detroit: Conant Road	4 wires, 6,600 volts.
				Detroit: Beamer Road, also Railroad Avenue	1 wire, 6,600 volts.
G-7602	Oct. 3	Public Lighting Commission	Det. Ter. R. R.	Detroit: Oakland Ave., also Mt. Elliott Ave	4 wires, 6,600 volts.
				Detroit: Davidson Road, also Van Dyke Ave	2 wires, 6,600 volts.
G-7603	Oct. 3	Penn Iron Mining Company	C. & N. W. Ry.	Norway, SW ¼ of NW ¼ and SE ¼ of NW ¼, Sec. 9, T 39 N, R 29 W	2 wires, 2,200 volts.
G-7604	Oct. 4	Houghton County Electric Co.	Min. Rge. R. R. Co.	Houghton County, NE ¼ of Section 5	3 wires, 11,000 volts, 2 wires, 2,200 volts.
G-7605	Oct. 4	Houghton County Electric Co.	K. C. R. R.	Houghton Co.: NW ¼ of Sec. 5	3 wires 11,000 volts, 2 wires, 2,200 volts.
				Houghton Co.: SE ¼ of Sec. 5	2 wires, 2,200 volts.
G-7606	Oct. 8	Seneca Mining Company	K. C. R. R.	Mohawk, near station	6 telephone wires.
G-7607	Oct. 9	Detroit Edison Company	D. T. & I. R. R.	Mongaugon Twp., Wayne Co., about 850 feet north of Van Horn Road	3 wires, 23,000 volts.
G-7608	Oct. 9	Detroit Edison Company	M. C. R. R.	Detroit, Harbaugh Ave., about 150 feet south of Thaddeus Ave.	2 wires, 2,300 volts.
G-7609	Oct. 9	Detroit Edison Company	Wabash Ry.	Detroit, Green Ave., about 650 feet north of Mackie Ave.	2 wires, 2,300 volts.
G-7610	Oct. 3	Citizens Telephone Co.	N. Y. C. R. R.	Dorr Twp., Allegan Co., between sections 21 and 28	10 telephone wires.
G-7611	Oct. 10	Michigan State Telephone Co.	G. T. Ry.	Battle Creek, Raymond Road	10 telephone wires.
G-7612	Oct. 10	Detroit Edison Company	M. C. R. R.	Hamtramck, between Tyler and Berres Sts.	Aerial wires carrying 220 volts.
G-7613	Oct. 13	Michigan State Telephone Co.	M. C. R. R.	Battle Creek, Hamlin Ave., also 5½ miles west of Battle Creek	100 pair cable telephone wires.
G-7614	Oct. 16	Kalamazoo Paper Co.	C. K. & S. Ry.	Kalamazoo, 400 feet north of intersection with Patterson St.	3 wires, 480 volts.

G-7615	Oct. 16	River View Coated Paper Co	C. K. & S. Ry	Kalamazoo, over spur of C. K. & S. Ry	3 wires, 440 volts.
G-7616	Oct. 16	Independent Electric Co	P. M. R. R.	Muskegon, east Western Avenue	2 wires, 120 volts.
G-7617	Oct. 16	Village of Manton	G. R. & I. Ry	Manton, Seventh St	3 wires, 2,300 volts.
G-7618	Oct. 18	Detroit Edison Company	M. C. R. R.	Casco Twp., St. Clair Co., on Ft. Gratiot Turnpike	3 wires, 46,000 volts.
G-7619	Oct. 19	Standard Paper Co	Mich. Railway Co	Kalamazoo,400 feet north of intersection of Michigan Railway and Patterson St	3 wires, 480 volts.
G-7620	Oct. 19	Standard Paper Co	N. Y. C. R. R.	Kalamazoo, 400 feet north of intersection New York Central and Patterson Street	3 wires, 480 volts.
G-7621	Oct. 23	Detroit Edison Company	G. T. Ry	County Line highway between Wayne and Macomb Counties	2 wires, 4,600 volts.
G-7622	Oct. 23	Detroit Edison Company	G. T. Ry	Hamtramck Twp., Wayne County, Davidson Road	2 wires, 2,300 volts.
G-7623	Oct. 23	Detroit Edison Company	G. T. Ry	Highway between Section 33 Lenox Twp., and Sec. 4, Chesterfield Twp., Macomb County	3 wires, 46,000 volts.
G-7624	Oct. 23	Detroit Edison Company	G. T. Ry	Detroit, 350 feet south Kenwood and 100 feet east of Greeley Aves	5 wires, 230 volts.
G-7625	Nov. 2	Consumers Power Co	M. C. R. R.	Bay City, Farragut Avenue	3 wires, 2,200 volts.
G-7626	Nov. 2	Michigan State Telephone Co	Det. Ter. R. R.	Sec. 17, Springwells Twp., Wayne County	60 open wires, 1, fifty pair cable.
G-7627	Nov. 2	Michigan State Telephone Co	M. C. R. R.	Detroit, north of Huber St	10 telephone wires.
G-7628	Nov. 5	Detroit Edison Company	P. M. R. R.	Detroit, Fireman Ave., 60 feet east of Hamond Ave	3 wires, 4,600 volts.
G-7629	Nov. 5	Detroit Edison Company	G. T. Ry	Royal Oak, Maple Street	3 wires, 4,600 volts.
G-7630	Nov. 5	Detroit Edison Company	G. T. Ry	Royal Oak Twp., Oakland Co., Vinton Road	3 wires, 4,600 volts.
G-7631	Nov. 5	Detroit Edison Company	G. T. Ry	Royal Oak Twp., Oakland Co., south of Thirteen Mile Road	3 wires, 220 volts.
G-7632	Nov. 7	Detroit Edison Company	G. T. Ry	Detroit, 150 feet south of Grand River Ave., 120 feet west of Loraine Street	6 wires, 250 volts.
G-7633	Nov. 7	Detroit Edison Company	M. C. R. R.	Detroit, 300 feet west of Chene St	3 wires, 4,600 volts.
G-7634	Nov. 8	Detroit Edison Company	P. M. R. R.	Greenfield Twp., Wayne County, in alley between Conger St. and Ohio Blvd	3 wires, 240 volts.
G-7635	Nov. 8	Michigan State Telephone Co	P. M. R.R.	Springwells Twp., Wayne County, Miller rd. and Michigan Avenue	60 open telephone wires, 1 fifty pair cable.
G-7636	Nov. 8	Michigan State Telephone Co	P. M. R. R.	Wayne, about 500 feet west of	50 open telephone wires.
G-7637	Nov. 9	Detroit Edison Company	Det. Ter. R. R.	Hamtramck, Lynch Road, about 700 feet east of Mt. Elliott Avenue	3 wires, 4,600 volts.
G-7638	Nov. 9	Consumers Power Co	G. R. & I. Ry	Walker Twp., Kent Co. SE Corner of NW¼ of NW ¼ of Sec. 8	6 wires, 140,000 volts.
				Walker Twp., Kent Co. SE Corner of NW ¼ of NW ¼ of Sec. 8	4 telephone wires.
G-7639	Nov. 10	Detroit Edison Company	G. T. Ry	Birmingham, one mile south of	3 wires, 220 volts.
G-7640	Nov. 12	Union Telephone Co	G. T. Ry	Middleton, Howell St., between Davis and Middleton Sts	20 telephone wires.
G-7641	Nov. 14	Keweenaw Bay Local Telephone Co	D. S. S. & A.	Keweenaw Bay, 2 miles north of, also 4½ miles north of	4 telephone wires.
G-7642	Nov. 14	Southern Michigan Light & Power Co	N. Y. C. R. R.	Morenci, North Street	3 wires, 110 volts.
G-7643	Nov. 15	Michigan State Telephone Co	Ann Arbor R. R.	Ann Arbor, Summit St	50 telephone Wires.
G-7644	Nov. 15	Consumers Power Co	N. Y. C. R. R.	Walker Twp., Kent County, near N. E. Corner of NW ¼ of NW ¼ Sec.35	6 wires, 140,000 volts; 4 telephone wires.
G-7645	Nov. 16	Consumers Power Co	GR., GH. & M.Ry.	Walker, ¼ mile east of	6 wires, 140,000 volts; 4 telephone wires.
G-7646	Nov. 17	Detroit Edison Company	D. T. & I. R. R.	Wayne County, 20 feet south of Pennsylvania Ave. on line between Ecorse and Mongaugon Township	3 wires, 23,000 volts.
G-7647	Nov. 17	Detroit Edison Company	N. Y. C. R. R.	Detroit, Lawndale Ave	2 wires, 2,300 volts.
G-7648	Nov. 17	Western Knitting Mills	M. C. R. R.	Rochester, Main St	2 wires, 230 volts.
G-7649	Nov. 17	United Home Telephone Co	GR., GH. & M. R. R	Muskegon Heights, 1 mile south of	10 telephone wires.
G-7650	Nov. 20	Detroit Edison Company	N. Y. C. R. R.	Ypsilanti, Huron St	3 wires, 4,600 volts.
G-7651	Nov. 20	Michigan State Telephone Co	G. T. Ry	Emmet Twp., Calhoun County Sec. 5	60 telephone wires.

WIRE PERMITS.—Concluded.

No.	Date.	Issued to.	To cross tracks of.	Location.	Description.
G-7652	Nov. 20	Consumers Power Co	P. M. R. R.	Flint, East Second St	6 wires, 5,000 volts; 3 wires, 5,000 volts.
G-7653	Nov. 20	Consumers Power Co	G. T. Ry.	Charlotte, West Lovet St	3 wires, 440 volts; 3 wires, 220 volts.
G-7654	Nov. 20	Detroit Edison Company	P. M. R. R.	Detroit, Meyers Road, 300 feet south of Grand River Ave	3 wires, 4,600 volts.
G-7655	Nov. 20	Detroit Edison Company	Grand Trunk Ry.	Detroit, Palmer Blvd	2 wires, 2,300 volts.
G-7656	Nov. 23	Consumers Power Co	M. C. R. R.	Mason, Ash St	3 wires, 2,500 volts, 2 wires, 2,000 volts; 3 wires, 480 volts.
G-7657	Nov. 23	Detroit Edison Company	D. T. & I.	Wayne County, 20 feet south of Pennsylvania Ave., on line between Ecorse and Monguagon Twp	3 wires, 23,000 volts.
G-7658	Nov. 23	Valley Home Telephone Co	M. C. R. R.	Bay City, W. S. Jane St., east of Walnut St	20 telephone wires.
G-7659	Nov. 26	Michigan State Telephone Co	N. Y. C. R. R.	Ypsilanti Township, Washtenaw County, Sec. 5	40 telephone wires.
				Sheridan Township, Calhoun County, Sec. 35	40 open wires; 3, fifty pair cable.
				Kalamazoo, east Kalamazoo Ave	50 open telephone wires.
				City of Jackson	50 open wires; 1, one hundred pair cable.
G-7660	Nov. 30	Detroit Edison Company	M. C. R. R.	Detroit, 190 feet south of west Jefferson, 200 feet west of Campbell Avenue	3 wires, 4,600 volts.
G-7661	Dec. 3	Detroit Edison Company	M. C. R. R.	Detroit, Hartwick Ave., 300 feet north of Clay Ave	3 wires, 240 volts; 3 wires, 230 volts.
G-7662	Dec. 4	Detroit Edison Company	G. T. Ry.	Detroit, Mt. Elliott Ave., 150 feet north of Lynch Road	3 wires, 2,300 volts.
G-7663	Dec. 4	Postal Telegraph Cable Co	P. M. R. R.	Portsmouth Township, Bay County, Sec. 34	3 telegraph wires.
				Kulmback, about 1 mile west of	3 telegraph wires.
				Buena Vesta Township, Saginaw County, between sec. 13 & 14	3 wires.
				Genesee Twp., Genessee County, between sections 16 and 17	2 wires.
				Wayne County, Nankin Township, Section 26	40 telephone wires.
				Ypsilanti, Forest Ave	40 telephone wires; 1, one hundred pr. cable.
				Ann Arbor, University Spur	50 telephone wires.
				Washtenaw Co., Lima Township, Section 9	50 telephone wires.
				Chelsea, Main Street	20 wires, 1, fifty pair cable.
				Chelsea, Hayes Street	50 telephone wires.
				Chelsea, Cleveland Street	60 telephone wires.
				Washtenaw Co., Sylvan Township, Section 15	50 wires, telephone.
				Washtenaw County, Sylvan Township, Sec. 15	50 wires, telephone.
				Washtenaw County, Sylvan Township, Sec. 20	50 telephone wires.
				Jackson County, Leona Township, Sec. 4	50 telephone wires.
G-7664	Dec. 5	Michigan State Telephone Co	M. C. R. R.	Jackson, Page St	50 open wires, 1, fifty pair cable.
				Jackson, South Elm Street	50 open wires, 1, fifty pair cable.
				Jackson, Liberty Street, spur to Standard Oil Co	50 open wires; 1, one hundred pair cable.
				Jackson, Liberty Street, spur to Jackson Crown Paper Box Co.	50 open wires; 1, one hundred pr. cable.
				Jackson, Wildwood Ave	30 open wires, 1, fifty pair cable.
				Jackson County, Blackman Township, Sec. 32	50 telephone wires.
				Jackson County, Sandstone Township, Sec. 29	40 telephone wires.
				Jackson Co., between Sec. 31, Sandstone Twp., and Sec. 36, Parma Township	40 telephone wires.
				Jackson Co., between Secs. 35 and 36, Parma Twp. and Secs. 1 and 2, Concord Township	40 telephone wires.
				Albion. Superior Street	50 open wires; one, 100 ir cable; four 50 pair cable.

				Calhoun County, Sheridan Township, Sec. 33	40 telephone wires.
				Calhoun County, Marengo Township, Sec. 35	50 telephone wires.
				Marshall, Pearl Street	40 telephone wires.
				Marshall, Kalamazoo Ave	40 open wires; 1, fifty pair cable.
				Marshall, Kalamazoo Ave., spur to Page Bros. Buggy Co.	40 open wires; 1, fifty pair cable.
G-7664	Dec. 5	Michigan State Telephone Co.	M. C. R. R.	Marshall, Mulberry St	40 telephone wires.
				Battle Creek, Washington and Hamilton Streets	40 open wires; 1, one hundred pair cable; 1, 200 pair cable.
				Calhoun County, Bedford Twp., Sec. 32, Camp Custer Ent.	40 open wires; 1, one hundred pair cable.
				Kalamazoo County, Comstock Twp., Sec. 18, Lincoln Road	50 telephone wires.
				Kalamazoo, East Ave	40 telephone wires.
G-7665	Dec. 6	United Home Telephone Co.	P. M. Ry.	Muskegon Co., Norton Twp., between sections 9 and 16	10 telephone wires.
G-7666	Dec. 7	Owosso Manufacturing Co.	M. C. R. R.	Owosso	3 wires; 220 volts.
G-7667	Dec. 7	Michigan State Telephone Co.	C., M. & St. P. Ry.	Crystal Falls	10 telephone wires.
				Detroit: Connors Lane, 300 feet, 500 feet and 512 feet north of Waterloo St.	3 wires, 23,000volts; 1 ground wire.
G-7668	Dec. 7	Detroit Edison Company	Det. Ter. R.R.	Detroit: Waterloo St., 200 ft. and 250 ft. east of Hart Ave.	3 wires, 23,000 volts; 1 ground wire.
				Detroit: D. T. Right of way, 950 ft., 1,150 ft. and 1,250 ft. north of Mack Ave. and 160 ft. north of Harper and 350 feet south of Gratiot Ave.	2 wires, 23,000 volts; 1 ground wire.
G-7669	Dec. 7	Michigan State Telephone Co.	C. K. & S. Ry.	Kalamazoo, East Kalamazoo Ave	40 telephone wires.
G-7670	Dec. 7	Michigan State Telephone Co.	G. R. & I. Ry.	Kalamazoo: East Kalamazoo Ave., poles 1007 and 1008	50 telephone wires.
				Kalamazoo: East Kalamazoo Ave., poles 1013 and 1014	50 telephone wires.
G-7671	Dec. 7	Detroit Chemical Works	Wabash Ry.	Detroit, at Detroit Chemical Works plant	1 pair cables, 120 volts.
G-7672	Dec. 10	Detroit Edison Co.	M. C. R. R.	Detroit, Atwater St., 200 feet and 250 feet west of Dubois St.	3 wires, 230 volts.
G-7673	Dec. 10	Detroit Edison Co.	M. C. R. R.	Detroit, Mt. Elliott Ave., 450 feet north of Lynch Road	3 wires, 23,000 volts.
G-7674	Dec. 11	Detroit Edison Co.	G. T. Ry.	Diagonal Line from Commor Ave., Hamtramck to Connecticut Ave., Highland Park	3 wires, 23,000 volts; 1 ground wire.
G-7675	Dec. 11	Detroit Edison Co.	G. T. Ry.	Detroit, Bruster St.	3 wires, 4,600 volts, 3 wires, 220 volts.
G-7676	Dec. 11	Detroit Edison Co.	D. T. & I. R. R.	Ecorse, Joseph St.	3 wires, 4,600 volts.
G-7677	Dec. 12	Postal Telegraph Cable Co.	Mich. Cen. R. R.	Bay County, Portsmouth Twp., Sec. 34, Johnson St.	3 wires, telegraph.
G-7678	Dec. 13	Detroit Edison Co.	P. M. Ry.	Detroit, McGraw Ave	3 wires, 4,600 volts.
G-7679	Dec. 14	Consumers Power Co.	P. M. Ry.	Kent City, 1¼ miles south east of	6 wires, 140,000 volts; 4 telephone wires.
G-7680	Dec. 18	Detroit Edison Co.	M. C. R. R.	Detroit, south side of alley north of Farr Ave., 750 feet east of Mt. Elliott	3 wires, 220 volts.
G-7681	Dec. 18	Detroit Edison Co.	M. C. R. R.	Detroit, DeQuindre St., at Guoin St	3 wires, 4,600 volts.
G-7682	Dec. 18	Thornapple Gas & Electric Co.	M. C. R. R.	Woodland, Church St.	3 wires, 120 volts.
G-7683	Dec. 18	Hillsdale Board of Public Works	N. Y. C. R. R.	Bankers at Carpenter St.	4 wires, 2,300 volts; 2 wires, 220 volts.
				Bankers, ½ mile north of, at Redman St.	4 wires, 2,300 volts; 2 wires, 220 volts.
				Bankers, Redman St.	4 wires, 2,300 volts; 2 wires, 220 volts.
G-7684	Dec. 19	Michigan State Telephone Co.	G. R. & I. Ry.	Kalkaska Co., Kalkaska Twp., between Sections 4 and 9	10 telephone wires.
G-7685	Dec. 20	Michigan State Telephone Co.	G. T. Ry.	East Lansing, east of College	10 telephone wires.
G-7686	Dec. 20	Detroit Edison Company	M. C. R. R.	Wayne, Sophia St.	1 wire, 2,300 volts.
G-7687	Dec. 24	Consumers Power Co.	D. G. H. & M. Ry.	Kent County, Walker Twp., NE Cor. of NW ¼ of SW ¼ of Sec. 5	6 wires, 140,000 volts; 4 telephone wires.
G-7688	Dec. 24	Consumers Power Co.	G. T. Ry.	Kent. Co., Sparta Twp., SE Cor. of NW ¼ of SE ¼ of Sec. 16	6 wires, 140,000 volts; 4 telephone wires.
G-7689	Dec. 29	Detroit Edison Company	M. C. R. R.	Detroit, alley west of Chene St., about 125 feet south of Franklin Street	3 wires, 230 volts.

GRADE CROSSING PROTECTION ORDERED BY THE MICHIGAN RAILROAD COMMISSION DURING THE YEAR 1917.

Date.	Railroad.	City or Village.	County.	Street or Highway.	Character of Protection.
Jan. 8	D.G.H. & M. Ry. Cin. Sag. & Mac. R. R. Ann Arbor Railroad	Durand	Shiawassee	Oak Street	Crossing alarm bell with wigwag attachment operated by watchman in tower.
Jan. 23	Michigan Central Railroad	Springwells Tp	Wayne	Miller Road	Alarm bells with wigwag signals. Speed regulation.
Jan. 23	Chicago & Northwestern Ry	Iron River	Iron	Genesee St	Watchman, 6:00 a. m. to 6:00 p. m. from April 1st to Dec. 1st.
Jan. 23	Michigan Central Railroad	Sterling	Arenac	1st north of station	Alarm bells with wigwag attachment.
Jan. 26	Cin. Sag. & Mackinaw R. R.	Saginaw	Saginaw	West Genesee Ave	Annunciator bells to inform gateman of approach of engines and trains.
Jan. 23	Michigan Central R. R.	Mattawan	Van Buren	Giddings crossing	Warning signs—Obstruction to view removed.
Jan. 26	Michigan Railway	Grand Rapids	Kent	Wealthy St. and Butterworth Ave	Warning signs. Speed regulation.
Feb. 1	Pere Marquette Railroad	BentonHarbor	Berrien	Riverside Road	Safety gates operated 6.00 a. m. to 6.00 p. m.—Temporary protection.
Feb. 9	New York Central Railroad	Rockwood	Wayne	Cement Wagon Road	Watchman 7:00 a. m. to 7:00 p. m.—Alarm bell with wigwag signals 7:00 p. m. to 7:00 a. m.
Feb. 21	Pere Marquette Railroad	Saginaw	Saginaw	W. Genesee, Hancock, Court, Mackinaw and Gratiot Sts	Discontinue flagman—Crossing patrolled by crew—Alarm bell at Gratiot St.
April 6	New York Central Railroad	Clinton	Lenawee	Chicago St	Alarm bell with wigwag attachment.
May 2	Wabash & Pere Marquette Rys	Detroit	Wayne	Waterman Ave	Safety gates operated 24 hours daily.
May 3	Pontiac, Oxford & Northern R. R.	North Branch	Lapeer	Huron St	Speed regulation. Switch movements protected by train crew.
May 11	Detroit United Railway	Ferndale	Wayne	Nine Mile Road	Alarm bell with wigwag attachment.
May 11	Michigan Central R. R.	Detroit	Wayne	Lehigh St	Crossing patrolled by train crew—Stop signs.
June 6	Wabash and Pere Marquette Rys	Detroit	Wayne	Artillery Ave	Safety gates operated 24 hours daily.
July 31	Michigan Central Railroad	Dowagiac	Cass	Division St	Operation of safety gates 24 hours daily.
Aug. 1	Wabash and Pere Marquette Rys	Detroit	Wayne	Cavalry Ave	Watchman 7:00 a. m. to 7:00 p. m.—Alarm bell 7:00 p. m. to 7:00 a. m., daily.
Aug. 1	Det. Grand Haven & Mil. Ry	Pontiac	Oakland	Rapid St	Watchman 6:30 a. m. to 6:30 p. m. Alarm bell 6:30 p. m. to 6:30 a.m.
Aug. 17	Cincinnati Northern Railroad	Hudson	Lenawee	Mechanic St Main Street	Watchman 6:30 a. m. to 6:30 p. m., daily except Sundays—Guarded by train crew 6:30 p. m. to 6:30 a. m. Protected by train crew when not by watchman.
Aug. 20	New York Central Railroad	Hudson	Lenawee	Market St	Alarm bell with wigwag signal—Movements on spur guarded by train crew.
Aug. 21	Detroit Terminal Railroad	Detroit	Wayne	Kercheval Ave	Train movements protected by train crew.
Aug. 21	Michigan Central Railroad	Ceresco	Calhoun	Main St Marshal St	Alarm bell with wigwag signal. Warning signs.
Aug. 29	Pere Marquette Railway	Grand Ledge	Eaton	Clinton St	Watchman 24 hours daily.
Sept. 4	Detroit, Grand Haven & Mil. Ry	Davisburg	Oakland	First highway crossing east of Vincent's Crossing	Crossing alarm bell with wigwag attachment.

GRADE CROSSING PROTECTION ORDERED.—Concluded.

Date.	Railroad.	City or Village.	County.	Street or Highway.	Character of Protection.
Sept. 13	Michigan Railway	Holt	Ingham	Highway crossing just north of station	Cars to stop before passing over same.
Sept. 19	New York Central Railroad	Lansing	Ingham	Larch St	Warning signs.
				Clinton St	Warning signs on each side of crossing.
				Saginaw St	Train movements protected by train crew, 6:30 p. m. to 6:30 a. m.
				Shiawassee St	Train movements protected by train crew, 7:00 p. m. to 6:00 a. m.
				Kalamazoo St	Train movements protected by train crew.
				Hazel St	Warning signs.
				Baker St	Train movements protected by train crew, 6:00 p. m. to 7:00 a. m.
Sept. 19	Michigan Central Railroad	Lansing	Ingham	Mt. Hope Ave	Alarm bell with wigwag attachment.
Sept. 19	Pere Marquette Railway	Lansing	Ingham	Kalamazoo St	Safety gates operated 24 hours daily.
				Kalamazoo St	Safety gates operated 24 hours daily.
				North Street	Clearance posts.
				Turner St	Protected by flagman 24 hours daily.
				First crossing east of Penn. Ave	Alarm bell with wigwag signal.
				Hosmer St	Safety gates operated 24 hours daily.
Sept. 19	Mich. Cen. and Pere Mar. Rys	Lansing	Ingham	Shiawassee and Sheridan Sts	Safety gates operated 24 hours daily.
				Saginaw and May Sts	Safety gates operated 24 hours daily.—Flagman pending such installation.
Sept. 20	Detroit, Grand Haven & Mil. Ry	Davisburg	Oakland	Clark's Crossing	Embankments obstructing view removed.—Wooden wing fences replaced by woven wire.
Sept. 26	Michigan Central Railroad	Bay City	Bay	South Chilson St	Safety gate.
Oct. 26	Detroit United Railway	Grand Blanc	Genesee	Irish Road	Crossing alarm bell.
Oct. 26	Grand Rapids, Gd. Haven & Musk. Ry	Coopersville	Ottawa	First Avenue	Cars brought to stop before passing.
				School House Crossing	Speed not to exceed 6 miles per hour.
Oct. 30	Detroit, Jackson & Chicago Ry	Jackson	Jackson	Horton St	Speed reduced to 6 miles per hour.
Nov. 7	Grand Trunk Western Ry	Schoolcraft	Kalamazoo	Grand St	Alarm bell with wigwag signal.
Dec. 12	Detroit, Jackson & Chicago Ry	Wayne	Wayne	Arllys Road	Alarm bell with wigwag signal.
Nov. 28	D. G. H. & M. and Gd. Rapids St. Rys.	Grand Rapids	Kent	Taylor Ave	Switch movements protected by train crew.—Speed regulations.

APPROVAL OF MAPS.

Jan. 9th, approving map of Chicago and Northwestern Railway Co., showing proposed line of railroad from Marenisco to point near E and W quarter line Sec. 21, T. 47, N. Range, 43 W.

March 15, map of Detroit, Armada and Northern Ry. Co., showing proposed line of railway in Macomb and St. Clair Counties with crossings of Michigan Air Line Railway at Armada was approved.

March 15th, recinding order of December 18th, 1916, which order approved map of proposed line of railroad of Detroit, Armada and Northern Railroad, crossing Chicago, Detroit and Canada Grand Trunk Junction Railroad at Armada.

March 22, Michigan Railway Company's map showing proposed extension of its line in Calhoun County with crossing of Michigan Central R. R. and Grand Trunk Western Ry., was approved.

April 6th, map of Pennsylvania-Detroit Railroad Co., showing proposed line of railway from Carleton, Monroe County to Detroit, with various crossings of highways and railroad was approved.

May 17th, approving map of Detroit and Highland Park R. R. Company showing proposed extension of its line in Wayne County.

July 10th, approving map of Monroe Connecting Ry., showing proposed line of railroad in Monroe County with crossing of New York Central R. R. on First St., Monroe, Michigan, and ordering safety gates at the said crossing.

July 19th, approving Detroit, Armada & Northern R. R. Co.'s map, showing amended route of its proposed line from corner of Main and Fulton Sts., Armada to the N. W. corner of Sec. 2, T. 4, N. R. 13 E, with crossing of Michigan Air Line Ry.

November 8th, approving Detroit, Armada and Northern R. R. Co.'s amended map showing change in proposed route of its line thro' Macomb County.

December 26th, approving Port Huron and Detroit Railroad Co.'s map showing proposed line of railroad from southern terminus of Port Huron and Southern R. R. Co. to Michigan Salt Co. with crossing of Michigan Central R. R. and Rapid Ry.

CROSSING OF HIGHWAYS AND RAILROADS.

Date.	Railroad.	Township.	County.	Road.	To whom permission is granted.
Jan. 26	Chicago & Northwestern Railway Co.	Stambaugh	Iron	Caspian St	Chicago and Northwestern Ry. Co.
Jan. 26	Chicago & Northwestern Railway Co.	39 N 28 W	Dickinson	Section 14	Board of County Road Commissioners.
Jan. 30	Minn. St. Paul & Sault Ste. Marie Ry.	Hudson	Mackinac	70 rods east of N and S ¼ line Sec. 31	Commissioner of highways.
Mar. 9	Michigan Central Railroad Co.	Swan Creek	Saginaw	Between Sections 31 and 32	Michigan Central R. R. Co.
Mar. 30	Pere Marquette Railroad	Garfield	Clare	Bewteen Sections 7 and 8	Commissioner of Highways.
April 19	Pere Marquette Railroad	Oliver	Huron	N and S ¼ line between Secs. 10 and 15	Commissioner of Highways.
April 19	Penn-Detroit Railroad Co	Greenfield	Wayne	Grand River Ave. and Plymouth Road	Penn.-Detroit R. R. Co.
May 1	Chicago & Northwestern Railway Co.	Stanbaugh	Iron	S. E. ¼ of N. E. ¼, Section 6	Chicago & Northwestern Ry. Co.
June 6	Cincinnati Northern Railroad	Summit	Jackson	S. line of Jackson city limits	County Road Commissioner.
June 28	Chicago & Northwestern Ry	Stambaugh	Iron	Caspian Road	Commissioner of Highways.
July 10	Duluth, South Shore & Atlantic Ry	Ironwood	Gogebic	One and one-half miles west of Junet	Commissioner of Highways.
July 10	Pere Marquette Ry	Branch	Mason	N. and S. ¼ line Section 19	Commissioner of Highways.
July 10	Chicago & Northwestern Ry	Escanaba	Delta	Sections 18 and 19	Commissioner of Highways.
Aug. 2	Michigan Railway	De Witt	Clinton	Valley Road	Commissioner of Highways.
Aug. 14	Pere Marquette Railway	Genesee Richfield	Genesee	Between Sections 1 and 12 Town line between Genesee and Richfield Townships	Pere Marquette Railway Co.
Aug. 14	Pere Marquette Railway	Norman	Manistee	Section line between Secs. 30 and 31	Commissioner of Highways.
Aug. 15	Detroit, Grand Haven & Mil. Ry	Royal Oak	Oakland	E. from Woodward Ave. in Section 16	Commissioner of Highwdys.
Oct. 24	Duluth, South Shore & Atlantic Ry	Wakefield	Gogebic	.85 mile west of Thomaston	Commissioner of Highways.
Oct. 31	Michigan Central Railroad	Emmet	Calhoun	Section 20	Commissioner of Highways.
Nov. 2	Michigan Central Railroad	Hay	Gladwin	Between Sections 25 and 26; and 35 and 36.	Commissioner of Highways.
Nov. 2	Duluth, South Shore & Atlantic Ry	Interior	Ontonagon	N. and S. ¼ line, Section 6	County Road Commission.
Nov. 20	Chicago & Northwestern Ry	Harris	Menominee	Between Sections 13 and 14	Commissioner of Highways.
Nov. 13	Pere Marquette Railway	Greenfield	Wayne	Birmingham Boulevard	Commissioner of Highways.
Nov. 20	Chicago & Northwestern Ry	Harris	Menominee	90 rods west of N. E. corner of Section 13	Commissioner of Highways.
Nov. 26	Pere Marquette Railway Co	Green Oak	Livingston	N. and S. center line, Section 11	Pere Marquette Railway Co.
Dec. 26	Michigan Central Railroad	Standish	Arenac	Between Sections 23 and 26	Commissioner of Highways.

RAILROAD CROSSING RAILROAD.

January 8th, granting permission to Michigan United Railway Co. to cross the tracks of the Michigan Central and Pere Marquette Railroads on Franklin Avenue, Lansing and requiring interlocker protection

January 16th, approving plans showing layout for interlocking system at crossing of Grand Trunk Western & Detroit, Toledo & Milwaukee Railways at Battle Creek.

January 16th, order requiring additional protection at crossing of Detroit United Ry. and Detroit, Grand Haven & Milwaukee Ry. on Forest Avenue, Detroit, Michigan.

January 31st, approving interlocking system at crossing of Detroit, Grand Haven & Milwaukee and Detroit United Railway on Fourth Street, Royal Oak.

February 1st, approving plans for interlocking system at crossing of Detroit, Grand Haven & Milwaukee Railway and Detroit United Ry. on Forest Avenue, Detroit, Michigan.

February 1st, approving plans showing layout for additions to interlocking system at crossings of Michigan Central and Detroit Terminal R. R's and Chicago, Detroit and Canada Grand Trunk Junction Ry

February 8th, approving plans showing changes at Hoyt interlocking plant at crossing of Michigan Central and Pere Marquette Railroads.

February 13th, approving plans showing changes to interlocking plant at Haires.

February 13th, approving plans showing layout for full interlocking system at crossing of Detroit, Grand Haven & Milwaukee Ry. and Detroit United Ry. on Milwaukee Avenue, Detroit.

February 21st, granting permission to Chicago, Kalamazoo & Saginaw Ry. Co. to cross the tracks of Chicago & Kalamazoo Terminal R. R. on Pitcher St., Kalamazoo.

February 21st, approving for use the Mershon interlocking system at the crossing of the Cincinnati, Saginaw & Mackinaw, Michigan Central and Pere Marquette and Saginaw Bay City Railways.

February 21st, granting Detroit Terminal R. R. permission to operate trains over crossing of Detroit United Railroad pending installation of interlocker at Woodward Ave., Detroit, Mich

February 23, approving plans showing Michigan Central R. R. changes to interlocking plant at Milwaukee Junction

March 6th, approving interlocking system at crossing of the tracks of Pere Marquette R. R. and Michigan United Traction Co. on Hosmer St., Lansing, Michigan.

March 14, approving for use the interlocking system at crossing of Detroit, Grand Haven & Milwaukee Ry. and the Detroit Terminal R. R. at Ford Junction.

April 4th, granting permission to the Michigan Central R. R. to cross the Detroit United Ry. on Harper Avenue, Detroit, and approving plans for said crossing.

April 19th, approving Michigan Railway Co.'s plans for overhead wire construction at crossing of its line and Grand Trunk Western Railway and Michigan Central in Battle Creek.

April 19th, granting permission to the Pennyslvania-Detroit R. R. to cross the Detroit United Railway at Grand River Avenue and Plymouth Road, Greenfield Township, Wayne County.

April 26, permitting the Wabash Railway Co. to cross the tracks of the Detroit United Railway on Jefferson Avenue, Detroit, and requiring installation of swing gates at said crossing.

April 27th, granting Chicago & Northwestern Railway Co., permission to cross Iron River, Stambaugh and Crystal Falls Electric Ry. in S. W. ¼ of S. E. ¼ of Sec. 6, T. 42 N, R. 34 W.

May 8th, granting permission to Pennyslvania-Detroit R. R. to cross the Detroit United Ry. at Grand River Ave. and Plymouth Road.

May 11th, approving for use the interlocking system at Milwaukee Junction.

May 11th, requiring the installation of full interlocking and derailing switch and signal system at the crossing of the Detroit United Ry. and Pere Marquette R. R. on Warren Avenue, Detroit, Michigan.

May 15th, granting permission to the Detroit United Ry. to operate cars over crossing of their tracks with P. M. R. R., Warren Avenue, Detroit, Michigan, pending installation of interlocking system.

May 31st, approving for use the interlocking system on Grand Trunk "Wye" switch at West Detroit.

May 19th, approving for use the interlocking system at the crossing of the Detroit United Ry. and Detroit, Grand Haven & Milwaukee Ry. on Saginaw St., Pontiac.

June 21st, approving plans showing layout for interlocking system at crossing of Detroit United Ry. and Pere Marquette Ry. on Warren Ave., Detroit, Michigan.

June 21st, approving plans for changes within interlocking zone at crossing of Grand Trunk Western Ry. and Detroit United Ry. on Crapo St., Flint, Michigan.

June 29th, approving plans showing layout for interlocking plant at crossing of Michigan Central R. R., Pere Marquette Ry. and Michigan United Railway on Franklin St., Lansing, Michigan.

July 11th, approving Michigan Central R. R. Co.'s plans showing changes to interlocking plant at crossing of Michigan Central R. R. and Grand Trunk Western Ry. at Nichols.

July 11th, approving plans of Michigan Central R. R. Co., showing changes in River Rouge draw bridge interlocking plant.

July 17th, approving Michigan Central R. R. Co.'s plans showing changes to interlocking system at crossing of Michigan Central R. R. and Detroit, Grand Haven & Milwaukee Ry. at Milwaukee Junction.

July 17th, granting permission to Detroit, Grand Haven & Milwaukee Ry. to cross the Michigan Central R. R. at Milwaukee Junction and requiring derail and signal system.

July 19th, ordering additional protection at the crossing of the Manistee Light and Traction Co., and Pere Marquette Ry. at Orchard Beach.

July 19th, granting the Detroit Terminal R. R. Co. permission to cross the Detroit, Grand Haven & Milwaukee Ry. 800 feet north at Ford Junction and requiring installation of derail switch and signal system.

July 19th, granting permission to Detroit Terminal R. R. to operate engines and trains over the Detroit, Grand Haven & Milwaukee Ry. 800 feet north of Ford Junction, pending the installation of the interlocking plant.

July 19th, approving Grand Trunk Railway System plans for semaphore signals at crossing of Detroit Terminal R. R. and Detroit, Grand Haven & Milwaukee Ry. 800 feet north of Ford Junction.

August 1, granting permission to Detroit United Railway to cross the Detroit Terminal R. R. at Hamilton Blvd., Highland Park and ordering derail protection at the same.

August 9th, amending order of January 8th, 1917, as to crossing of Michigan United Railway, and Pere Marquette and Michigan Central on Franklin Avenue, Lansing, Michigan.

August 29th, approving Michigan Central R. R. Co.'s plans showing additions to interlocking plant at crossing of Detroit Grand, Haven & Milwaukee Railway and Michigan Central R. R. at Milwaukee Junction.

September 4th, approving Detroit United Railways plans, showing layout for interlocking plant at crossing of Detroit United Ry. and the Detroit Terminal R. R. on Hamilton Blvd., Highland Park.

September 26th, approving Michigan Central R. R. Co.'s plans, showing changes to interlocking plant at Pleasant St., River Rouge.

October 8th, approving for use the interlocking system at the crossing of the Detroit United Railway and Grand Trunk Western R. R. on Crapo St., Flint, Michigan.

October 22nd, granting permission to the Calumet and Hecla Mining Co. to change the location of its crossing with the Houghton County Traction Co. in Torch Lake Township, Houghton County.

October 24th, granting permission to Lansing Connecting R. R. Co. to cross the spur track of Pere Marquette Ry. in Lansing.

October 24th, approving plans for changes in signals at Haires at crossing of Michigan Central and New York Central R. R's.

October 25th, approving for use the interlocking system at crossing of Pere Marquette and Ann Arbor R. R's at Ann Pere.

November 20th, approving plans showing discontinuance of detector bars on the Detroit, Toledo & Ironton R. R. and the Detroit and Toledo Shore Line R. R. and substitution of Route locking at interlocking plant at Trenton.

December 7th, approving for use the interlocking plant at the crossing of Solvay Process Co's. R. R. and the Detroit, Monroe & Toledo Short Line Ry., near Sibley.

December 7th, granting permission to the Detroit, Toledo & Ironton R. R. Co. to cross with their tracks the River Rouge spur track of the Michigan Central R. R. in Ecorse Township, Wayne County.

December 12th, granting the Pere Marquette Railway Co. permission to cross the spur track of the Michigan Central R. R. Co. on Sylvan Street, Saginaw.

December 14th, granting permission to the Michigan United Railways Co. to operate its cars over the crossing of the Michigan Central R. R. and the Pere Marquette Railway on Franklin St., Lansing, pending installation of interlocking system and ordering installation of temporary protection.

December 26th, granting permission to Detroit United Ry. to cross the Michigan Central Belt Line on Mt. Elliott Ave., Detroit, Michigan.

December 26th, granting permission to Detroit United Ry. to cross the Detroit Terminal and Michigan Central R. R.'s on Lynch Road near North Detroit.

December 7th, approving for use the interlocking system at crossing of Detroit, Grand Haven & Milwaukee Ry. and Michigan Central R. R. at Milwaukee Junction.

December 7th, approving for use the interlocking system at crossing of Detroit United Railway and Detroit, Grand Haven & Milwaukee Ry. on Forest Avenue, Detroit.

December 7th, approving for use the interlocking system at crossing of Chicago, Detroit and Canada Grand Trunk Junction Ry. and Detroit United Ry. on Van Dyke Ave. Mt. Olivet.

December 26, approving plans, showing changes from operated distant signals to fixed signals on south bound tracks of New York Central R. R. and N. & S. bound track of Michigan Central R. R. at Homer Interlocking plant.

December 26th, approving plans showing layout for interlocking system at crossing of Detroit, Grand Haven & Milwaukee Ry. and Detroit Terminal R. R. at Ford Junction.

STATION FACILITIES.

On August 31st, an order issued authorized the Chicago & Northwestern Railway Company to change the location of their station at Amasa about one-fourth mile from its established location.

MISCELLANEOUS.

January 10, ordering the Ann Arbor Railroad Co. to repair bridge over its tracks on Center Street, Ithaca.

March 29th, granting the Michigan Central R. R. permission to remove its Ellis Branch, beginning on N. W. ¼ of Sec. 25, Town 35 N. R. 2 W., running thence across Secs. 25 and Secs. 30, 29, 28, 33, 27, 34 and 35 in T. 35 N., Range 1 W. to terminus near center of N. E. ¼ of S. W. ¼ of said Sec. 35, including 520 ft. of spur track in said section 25.

April 26, granting permission to the Solvay Process Co. to change the alignment of its line and angle of the crossing of the Detroit, Monroe & Toledo Short Line Ry., as per map submitted for approval.

May 2, ordering the Michigan Air Line Railway to restore Trains No. 45 and 48 between Pontiac and Jackson.

June 13, granting permission to Lakey Foundry & Machine Co. to construct two overhead crossings of the tracks of the Pere Marquette Railway at Muskegon.

July 19th, ordering Manistee Light & Traction Co. to equip their cars with signal bells and bell cords and to place a man on each car used for passenger service to insure safe handling of such cars.

August 9th, granting permission to Michigan Central R. R. to remove their Black River Branch extending 13,996.5 feet south from a point 1,312.7 feet south of north switch of Keough siding.

August 9th, granting the Michigan Central R. R. Co. permission to remove their Cameron Branch leading from their main line at St. Helen, including spur track off Cameron Branch.

August 31st, permitting the Chicago & Northwestern Ry. Co. to change location of station at Amasa, Iron County.

August 10th, ordering the Pere Marquette Ry. to restore train service between Elmdale and Freeport.

Sept. 13th, approving Minn., St. Paul & Sault Ste. Marie Ry. Co.'s plans for construction of right-of-way fencing.

Sept. 20th, granting the Detroit & Mackinac Ry. Co. permission to remove their Black Lake Branch connecting with main line at Onaway.

September 26, granting permission to Michigan Central R. R. Co. to remove its Cardinal Branch leading off their Page Branch on Mackinaw Division.

September 19th, approving plans of Pere Marquette Ry., showing proposed construction of a tipple for Consolidated Coal Company.

October 12th, granting Michigan Central Railroad Company permission to remove the back end of their Camp 14 Branch, beginning at a point near center of S. W. ¼ of N. E. ¼ of Section 19, T. 29 N. R. 5. W., running northwesterly 2,805.6 feet.

October 24th, granting permission to Michigan Central R. R. Co. to remove the south end of its Blue Lake Branch, beginning at a point in the S. W. ¼ of S. W. ¼, Section 3, T. 28 N. R. 5 W., running south 19,243 feet together with three sidings projecting therefrom consisting of 2,587 feet of track.

November 2, granting Michigan Central Railroad Company permission to remove a section of their Camp 14 Branch beginning at a point on N. & S. ¼ line of Section 20 T. 29 N., R. 5 W., and running west and northwest 5,991.1 feet.

November 15, ordering the Pere Marquette Railway Co. to restore train service to and from Leota.

November 21st, ordering Detroit & Mackinac Ry. Co. to give service to Thunder Bay Lumber Co. on their private track extending 700 feet beyond end of Fletcher spur.

PHYSICAL CONDITION OF STEAM AND ELECTRIC RAILROADS.

STEAM RAILROAD COMPANIES.

The following information has been received from the several Railroad Companies named herein with reference to the renewals and additions to their property.

ARCADIA & BETSEY RIVER RAILWAY COMPANY

1,271	New ties placed in track.
1	New culvert.
½	Mile new fence built.

ANN ARBOR RAILROAD.

98,294	New ties placed in track.
61,661	Tie plates used.
17.34	Miles of new 85-pound rail laid.
1.50	Miles of 70-pound rail relaid.
2	Culverts renewed.
2	Wooden bridges renewed.
3	Bridges renewed with steel girder.
1.13	Miles of new side track built.
10.63	Miles of new fence built.
6	New buildings erected at a cost of $8,042.26.
4	New locomotives purchased at a cost of $107,800.00; three of which were purchased in 1916, but delivered in 1917.
13	Highway crossings, over and under grade.
4	Highway crossings, protected with gates.
12	Highway crossings, protected by flagmen.
20	Highway crossings, protected by crossing alarm bells.

BOYNE CITY, GAYLORD & ALPENA RAILROAD.

18,740	New ties placed in track.
5	Highway crossings over or under grade.

CHICAGO, KALAMAZOO & SAGINAW RAILWAY.

17,278	New ties placed in track.
10,000	New tie plates used.
1	Mile of 70-pound rail relaid.
2	Culverts renewed.
1	Mile, 264 feet new side track built.
3	Miles new fence built.
2,000	Yards of ballast placed in track.
1	Highway crossing protected with gates.
1	Highway crossing protected by a flagman.
2	Highway crossings protected by crossing alarm bells.

CHICAGO, MILWAUKEE & ST. PAUL RAILWAY.

71,800	New ties placed in track.
109,976	Feet switch ties placed in track.
109,976	New tie plates used.
119,078	Feet new 75-pound rail laid.
Relay rail laid as follows:	
6,696	Feet 85-pound.
43,648	Feet 75-pound.
23,185	Feet 67-pound.
8,726	Feet 65-pound.
16,447	Feet 60-pound.
2,001	Feet 56-pound.
2	Timber box culverts renewed with concrete pipe.
4½	Miles of side track and spurs built.
4,508	Yards of ballast placed in track.
26	Car bodies placed at various points for housing laborers at a cost of $2,346.80.
2	Engine houses built, $10,583.64.
2	Other houses, $296.47.

CHICAGO & NORTHWESTERN RAILWAY.

290,888	New ties placed in track.
59,404	New tie plates used.
19¼	Miles of new 90-pound rail laid.
Relay rail laid as follows:	
11.2	Miles 90-pound.
3.15	Miles 72-pound.
56	Culverts renewed.
13	New bridges constructed of wood, steel and combination.
8.75	Miles of side tracks and spurs built.
1.67	Miles of fence built.
1,150	Yards of ballast placed in track.
	New passenger station, cost $872.00.
	Other buildings and their cost, $2,188.00.
77	New locomotives at a cost of $2,159,558.43.
50	Passenger cars at a cost of $465,921.87.
	Freight cars at a cost of $7,359,727.60.
18	Highway crossings protected with gates.
15	Highway crossings protected by flagmen.
8	Highway crossings protected by crossing alarm bells.

CINCINNATI NORTHERN RAILROAD.

15,188	New ties placed in track.
92	New tie plates used.
7,131	Feet 80-pound rail laid.
223	Feet new side tracks and spurs built.
397	Feet new fence built.
3.22	Miles of fence repaired.
3,910	Yards of stone ballast placed in track.
23,350	Yards of gravel placed in track.
	New switchman's house at cost of $38.40.

CINNCINATI NORTHERN RAILWAY.

6	Highway crossings over or under grade.
2	Highway crossings protected by flagmen.
1	Highway crossings protected by automatic alarm bell.
4	New locomotives for the entire line at a cost of $113,761.14.
4	New freight cars for entire line, $4,909.83.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RAILWAY (Big Four)

4,160	New ties placed in track.
3,646	Tie plates used.
2	Culverts renewed.
.0274	Of a mile of new side tracks and spurs built.
.25	Of a mile new fence built.
560	Yards of ballast placed in track.
1	Highway crossing under grade.
1	Highway crossing protected with gates.
3	Highway crossings protected by flagmen.
6	Highway crossings protected by crossing alarm bells.
53	New locomotives for entire line, $1,429,587.50.
25	New passenger cars for entire line, $398,964.83.
2,184	New freight cars entire line, $31,145,255.40.

COPPER RANGE RAILROAD.

30,397	New ties placed in track.
3,155	Tie plates used.
1.6	Miles of new 90-pound rail laid.
.576	Feet of new road built.
2.365	Miles of new side tracks and spurs built.
8	Buildings at a cost of $16,965.65.
3	Tool and handcar houses, $286.63.
3	Telephone sheds, $435.62.
1	Water tank, $3,922.19.
1	Coaling station, $12,321.21.
4	Highway crossings over or under grade.
1	Highway crossing protected by a flagman.
2	Highway crossings protected by crossing alarm bells.

DETROIT TERMINAL RAILROAD.

5,569	New ties placed in track.
1	Mile of new 80-pound rail laid.
½	Mile of new 80-pound relay rail laid.
4.70	Miles of new road built.
9.07	Miles of new side track and spurs built.
800	Yards ballast placed in tracks.
	New office building, $26,000.00.
3	Highway crossings protected with gates.
2	Highway crossings protected by flagmen.

DETROIT, TOLEDO & IRONTON RAILROAD.

59,576	New ties placed in track.
14.4	New 75-pound rail laid.
Relay rail laid as follows:	
7.2	Miles 60-pound.
.2	Miles 56-pound.
1	Wooden bridge renewed.
.6	Miles new side tracks and spurs built.
8.2	New fence built.
3,430	Yards ballast placed in track.
7	Highway crossings protected with gates.
9	Highway crossings protected by flagmen.
3	Highway crossings protected by alarm bells.

DETROIT & MACKINAC RAILWAY.

63,101	New ties placed in track.
6	Miles new 85-pound rail laid.
Relay rail laid as follows:	
2	Miles 70-pound.
3	Miles 50- and 56-pound.
2	Concrete and 4 wooden culverts renewed.
1	New steel bridge constructed.
2	Miles, 4,230 feet of new side tracks and spurs built.
½	Mile new fence built.
2,500	Yards of ballast placed in track.
1	Combination passenger and freight building, $4,816.94.
1	Over grade highway crossing.
3	Highway crossings protected by flagmen.
1	Highway crossing protected by bells.

DULUTH, SOUTH SHORE & ATLANTIC RAILWAY.

163,110	New ties placed in track.
13,930	New tie plates used.
25.60	Miles of new 80-pound rail laid.
Relay rail laid as follows:	
6.65	Miles 80-pound.
3.40	Miles 72-pound.
1.70	Miles 70-pound.
7.44	Miles 60-pound.
.36	Miles 56-pound.
7	New timber bridges and 1 steel bridge constructed.
5.43	New side tracks and spurs built.
.07	Miles of new fence built.
18,295	Cubic yards of ballast placed in tracks.
5	New passenger stations costing in total, $1,162.08.
2	Freight stations at a total cost of $136.13.
	Miscellaneous buildings at a cost of $12,570.29.
41	New freight cars, costing $494,395.95.
1	Highway crossing over grade.
5	Highway crossings under grade.
3	Highway crossings protected with gates.
20	Highway crossings protected by flagmen.
1	Highway crossing protected by alarm bells.

EAST JORDAN & SOUTHERN RAILROAD.

9,900	New ties placed in track.
1	New wooden bridge.
4½	Miles new side tracks and spurs built.
¾	Miles new fence built.

ESCANABA & LAKE SUPERIOR RAILROAD.

24,283	New ties placed in track.
9,000	Tie plates used.
14,358	Feet new 75-pound rail laid.
3	Culverts renewed.
7.66	Miles new road built.
.12	Miles side tracks and spurs built.
17,262	Yards of ballast placed in track.

GRAND RAPIDS & INDIANA RAILWAY.

146,855	New ties placed in track.
33,253	New tie plates used.
25.32	Miles new rail 100-pound rail laid.
6.96	Miles second-hand 100-pound rail laid.

Relay rail laid as follows:

4.22	Miles 85-pound.
12.86	Miles 70-pound.
1.26	Miles 60-pound.
.34	Miles 56-pound.
.11	Miles 50-pound.
4	Culverts renewed.
1	Steel girder on pile abutments.
1.58	Miles new side tracks and spurs built.
11.82	Miles fence built.
9,150	Yards ballast placed in tracks.
1	Express building at cost of $16,606.72.
1	Fruit warehouse at a cost of $3,353.81.
1	Coaling station at a cost of $5,402.41.
8	Highway crossings over or under grade.
28	Highway crossings protected with gates.
38	Highway crossings protected with flagmen.
29	Highway crossings protected with bells.

KALAMAZOO, LAKE SHORE & CHICAGO RAILWAY.

15,028	New ties placed in track.
⅛	Mile new side tracks and spurs built.
3,500	Yards ballast placed in tracks.
2	Highway crossings over or under grade.
2	Highway crossings protected with gates.

LAKE SUPERIOR & ISHPEMING RAILWAY.

17,242	New ties placed in track.
13,566	New tie plates used.
53	Sets switch ties placed in track.
5.74	Miles new 80-pound rail laid.
Relay rail laid as follows:	
1.44	Miles 80-pound.
.01	Miles 60-pound.
3.54	Miles new side tracks and spurs built.
1,250	Yards of ballast placed in tracks.
10	Highway crossings over or under grade.
2	Highway crossings protected by flagmen.
2	Highway crossings protected by wigwag signals.

MANISTEE & NORTHEASTERN RAILROAD.

16,945	New ties placed in track.
1	Culvert renewed.
3.56	Miles new fence built.
1	Highway crossing protected with gates.
1	Highway crossing protected by flagman.
1	Highway crossing protected by bells.

MICHIGAN CENTRAL RAILROAD.

574,454	New ties placed in track.
23,616	New tie plates used.
105.94	Miles new 105-pound rail laid.
17.67	Miles new 100-pound rail laid.
Relay rail laid as follows:	
.09	Miles 105-pound.
23.67	Miles 100-pound.
65.26	Miles 100-pound (rerolled).
45.19	Miles 80-pound.
4.46	Miles 65-pound.
1.12	Miles 60-pound.
.81	Miles 52-pound.
20	Culverts (pipe) renewed.
5	Concrete and steel bridges renewed.
6	Wood and steel bridges renewed.
6	New pipe openings.
1	New wooden bridge.
7	New steel and concrete bridges.
.47	Miles new road built.
25.02	New side tracks and spurs built.
158.39	Miles new fence built.
162,562	Yards of ballast placed in track.
1	New combination freight and passenger station, $3,500.00.
3	New freight stations, $31,544.00.
2	New express buildings and additions, $21,200.00.
1	New coaling station, $8,500.00.
3	New water tanks, $15,800.00.
5	New car repair shops, $13,250.00.
1	New round house extended, $31,700.00.

MICHIGAN CENTRAL RAILROAD.

3	New office buildings, $14,700.00.
7	New shop buildings, $14,250.00.
10	New other buildings and additions, $15,900.00.
107	Highway crossings over or under grade.
97	Highway crossings protected by gates.
101	Highway crossings protected by flagmen.
116	Highway crossings protected by bells.

MICHIGAN EAST & WEST RAILWAY.

3,000	New ties placed in track.

MINERAL RANGE RAILROAD.

48,044	New ties placed in track.
8,999	New tie plates used.
4.61	Miles new 80-pound rail laid.
Relay rail laid as follows:	
3.40	Miles new 80-pound.
1.90	Miles 70-pound.
1.30	Miles 60-pound.
0.46	Miles 56-pound.
49	Culverts renewed.
2	New steel bridges.
1.10	Miles new side tracks and spurs built.
1.13	Miles of new fence built.
2	New passenger stations costing in total $482.37.
4	Miscellaneous roadway buildings, total $953.80.
1	Highway crossing over grade.
7	Highway crossings protected by flagmen.
1	Highway crossing protected by bells.

MINNEAPOLIS, ST. PAUL & SAULT STE. MARIE RAILWAY.

71,942	New ties placed in track.
941	New tie plates used.
42	Culverts renewed.
1	Joint culvert installed.
5.09	Miles new side tracks and spurs built.
.48	Miles new joint side tracks and spurs built.
4.33	Miles side tracks removed.
2.30	Miles new fence built.
14,010.2	Yards ballast placed in track.
5	New other buildings built, costing $529.84.
4	Additions to passenger, freight and other buildings, costing total $2,497.92.
1,250	New freight cars, costing $1,692,918.54.
	Additions and betterments to passenger cars, freight cars, locomotives and work cars, totaling $86,335.20.
446	Deductions to locomotives, passenger cars, freight cars and work cars, totaling $266,436.24.
3	Highway crossings under grade.
1	Highway crossing protected by gates.
2	Highway crossings protected by flagmen.
1	Highway crossing protected by bells.

MUNISING, MARQUETTE & SOUTHEASTERN RAILWAY.

32,669	New ties placed in track.
29	Sets switch ties.
13,215	New tie plates used.
8.35	Miles of new 80-pound rail laid.
Relay rail laid as follows:	
8.74	Miles 80-pound.
3.87	Miles 60-pound.
8.92	Miles new side tracks and spurs built.
1.11	Miles of snow fence built.
2,500	Yards of ballast placed in track.
1	Double tenement house at Princeton, $2,238.99.
	New bodies on second-hand trucks.
65	Flat cars, 36 feet long.
1	Highway crossing over or under grade.
2	Highway crossings protected with bells.
1	Highway crossing protected with wigwag signal.

NEW YORK CENTRAL RAILROAD.

212,831	New ties placed in track.
61,528	Tie plates used.
9.37	Miles new rail laid (105-pound).
Relay rail laid as follows:	
2.05	Miles 100-pound.
13.14	Miles 80-pound.
2.41	Miles 65-pound.
6.07	Miles new side tracks and spurs built.
18.12	Miles fence built.
10,168	Cubic yards ballast placed in tracks.
3	New freight stations at a total cost of $126,170.93.
22	New other buildings at a total cost of $5,150.06.
30	Highway crossings over and under grade.
46	Highway crossings protected with gates.
40	Highway crossings protected with flagmen.
53	Highway crossings protected with bells.

PERE MARQUETTE RAILROAD.

602,500	New cross ties placed in track.
680,000	New switch ties placed in track.
4,280	New tie plates used.
.4	Miles new rail laid (90-pound.)
1.58	Miles 75-pound relay rail laid.
6	Culverts renewed.
3	New wood, steel and combination bridges built.
13.05	Miles of side tracks and spurs built.
1	Mile new fence built.
169	Miles fence rebuilt.
41	Miles fence repaired.
1	Passenger and freight station combined at total $2,700.00.
100,000	Yards ballast placed in tracks.
4	New freight stations, total cost $68,700.00.

PERE MARQUETTE RAILROAD.

4	New other buildings, total cost $75,495.00.
29	Highway crossings over grade.
10	Highway crossings under grade.
62	Highway crossings protected by gates.
125	Highway crossings protected by flagmen.
135	Highway crossings protected by bells.

WABASH RAILWAY.

61,932	New ties placed in track.
11,123	New tie plates used.
.29	Miles new 90-pound rail laid.
10.95	Miles new 80-pound rail laid.
2.28	Miles new 63-pound rail laid.
.33	Miles new side track and spurs built.
3.00	Miles fence built.
1	New passenger station, cost $2,841.48.
3	New freight stations, cost $695.09.
5	Highway crossings over or under grade.
7	Highway crossings protected with gates.
8	Highway crossings protected with flagmen.
4	Highway crossings protected with bells.
25	New locomotives, costing $1,150,783.37.
1,000	New box cars, costing $796,191.73.
300	New stock cars, costing $189,517.57.
528	Box cars rebuilt at cost of $85,535.28.
227	Coal cars rebuilt at cost of $286,064.28.

WISCONSIN & MICHIGAN RAILWAY.

5,133	New ties placed in track.
4	Highway crossings over or under grade.

ELECTRIC RAILWAY COMPANIES.

BENTON HARBOR-ST. JOE RAILWAY & LIGHT COMPANY.

2,000	New ties placed in track.
300	New tie plates used.
¼	Mile 60-pound relay rail laid.
1	Culvert renewed.
¼	Mile side tracks and spurs built.
1	Mile new fence built.
4,000	Cubic yards ballast placed in tracks.
2	Highway crossings over or under grade.

DETROIT UNITED RAILWAY SYSTEM.

137,608	New ties placed in track.
80,723	New tie plates used.
14.25	Miles new 70-pound rail laid.
35.26	Miles new 91-pound rail laid.
6.90	Miles new 114-pound rail laid.

Relay rail laid as follows:

12.17	Miles 56-pound.
0.30	Miles 60-pound.
1.36	Miles 70-pound.
0.29	Miles 73-pound.
8	New culverts.
8	Culverts renewed.
1	New steel and concrete bridge built.
2	Wooden bridges renewed.
1	Concrete bridge renewed.
14.53	Miles new road built.
2.06	Miles new road purchased.
5.34	Miles new side tracks and spurs built.
13.85	Miles new fence built.
53,300	Yards of ballast placed in tracks.
3	New freight stations, total cost $207,422.36.
7	New other buildings, total cost, $3,825.00.
1	Highway crossing protected by bells.

ESCANABA TRACTION COMPANY.

500	New ties placed in track.
100	Yards of ballast placed in tracks.
1	New locomotive, cost $2,500.00.
1	New passenger car, cost $4,200.00.

GRAND RAPIDS, GRAND HAVEN & MUSKEGON RAILWAY COMPANY.

12,000	New ties placed in track.
5,000	Yards ballast placed in track.
2	Coal sheds, costing $650.00.
1	New passenger car, costing $10,000.00.
3	New freight cars, costing $15,000.00.
1	Highway crossing over grade.
4	Highway crossings protected with bells.

HOUGHTON COUNTY TRACTION COMPANY.

2,423	New ties placed in track.

MANISTEE RAILWAY COMPANY.

200	New ties placed in track.

MICHIGAN RAILWAY COMPANY.

27,224	New ties placed in track.
37,169	New tie plates used.
2.15	Miles 70-pound and 80-pound new rail laid.
1.5	Miles 70-pound relay rail laid.

MICHIGAN RAILWAY COMPANY.

23	Culverts renewed.
4	Bridges built.
5.1	Miles new road built.
2.65	Miles new side track and spurs built.
14.5	Miles new fence built.
34.6	Miles ballast placed in track.
3	Passenger stations built, costing $18,600.00.
3	Freight stations built, costing $26,000.00.
11	Other buildings built, costing $27,600.00.
6	New passenger motor cars built, costing $110,000.00.
1	New freight motor car built, costing $16,000.00.
9	Highway crossings over or under grade.
36	Highway crossings protected with bells.

SAGINAW-BAY CITY RAILWAY COMPANY.

2,000	New ties placed in track.
1	Culvert renewed.
1	New wooden bridge.

SOUTHERN MICHIGAN RAILWAY.

3,000	New ties placed in track.
⅛	Mile 70-pound relay rail laid.
3	Highway crossings over or under grade.

TOLEDO & WESTERN RAILROAD COMPANY.

7,000	Ties placed in track.
1,600	Yards ballast placed in track.

DIRECTORS AND OFFICERS OF STEAM RAILROAD COMPANIES DOING BUSINESS IN MICHIGAN FOR THE YEAR ENDING DECEMBER 31, 1916.

ANN ARBOR RAILROAD COMPANY.

Organized September 21, 1895, under the laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Emery S. Lyon	1 Sixtieth Street, New York City	September, 1917.
Wm. W. Wollman	42 Broadway, New York City	September, 1917.
Newman Erb	42 Broadway, New York City	September, 1917.
W. M. Wadden	42 Broadway, New York City	September, 1918.
F. Hertenstein	Western German Bank, Cincinnati, O	September, 1918.
A. W. Towsley	Cherry St. Station, Toledo, O	September, 1918.
F. Kingsbury Curtis	30 Broad Street, New York City	September, 1919.
J. S. Bache	42 Broadway, New York City	September, 1919.
H. I. Miller	115 Broadway, New York City	September, 1919.

OFFICERS.

Title.	Name.	Official address.
President	Newman Erb	New York City.
First Vice-President	A. W. Towsley	Toledo Ohio.
Second Vice-President	J. S. Bache	New York City.
Third Vice-President	W. M. Wadden	New York City.
Secretary	H. B. Blanchard	New York City.
Treasurer	W. M. Wadden	New York City.
General Solicitor	Alex. L. Smith	Toledo, Ohio.
General Counsel	F. Kingsbury Curtis	30 Broad St., New York City.
Auditor	Jos. Goldbaum	Toledo, Ohio.
General Manager	A. W. Towsley	Toledo, Ohio.
Engineer of Valuation	L. J. Allen	Ann Arbor, Mich.
Superintendent	A. Syverson	Owosso, Mich.
S. M. P. & M. C. B	J. E. Osmer	Owosso, Mich.
Traffic Manager		

ARCADIA & BETSEY RIVER RAILWAY.

Organized September 25, 1895, under the laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Charles J. Starke	Arcadia, Michigan	October 7, 1917.
Henry Mauntler	Arcadia, Michigan	October 7, 1917.
Adolph Hasse	Arcadia, Michigan	October 7, 1917.
Maria Starke	Arcadia, Michigan	October 7, 1917.
John Wildt	Arcadia, Michigan	October 7, 1917.

OFFICERS.

Title.	Name.	Official address.
President	Charles J. Starke	Arcadia, Mich.
First Vice-President	Henry Mauntler	Arcadia, Mich.
Secretary and Treasurer	Adolph Hasse	Arcadia, Mich.
General Counsel	A. J. Dovel	Manistee, Mich.
Auditor	R. H. Starke	Arcadia, Mich.
General Manager	Chas. J. Starke	Arcadia, Mich.
Chief Engineer	John A. Mitchell	Ludington, Mich.
General Superintendent	John Wildt	Arcadia, Mich.

BLANEY & SOUTHERN RAILWAY COMPANY.

Organized October 13, 1902, under the laws of the State of Michigan.

Controlled by Wisconsin Land & Lumber Co., by ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
G. W. Earle	Hermansville, Michigan	December 13, 1917.
E. P. Radford	Hermansville, Michigan	December 13, 1917.
G. H. Earle	Hermansville, Michigan	December 13, 1917.

OFFICERS.

Title.	Name.	Official address.
Chairman of Board	G. W. Earle	Hermansville, Michigan.
President	G. W. Earle	Hermansville, Michigan.
First Vice-President	E. P. Radford	Hermansville, Michigan.
Secretary	G. H. Earle	Hermansville, Michigan.
Treasurer	G. W. Earle	Hermansville, Michigan.
General Superintendent	E. P. Radford	Hermansville, Michigan.
General Manager	G. W. Earle	Hermansville, Michigan.

BOYNE CITY, GAYLORD & ALPENA RAILROAD COMPANY.

Organized March 28, 1905, under the laws of the State of Michigan.

Operated by Michigan Trust Co., Receiver.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
W. H. White	Boyne City, Mich	Terminated by appointment of Receiver, Nov. 18, 1913.
Thos. White	Boyne City, Mich	
James A. White	Buffalo, N. Y	
L. H. White	Boyne City, Mich	
J. M. Harris	Boyne City, Mich	
W. L. Martin	Boyne City, Mich	
J. T. Wyley	Saginaw, Mich	

OFFICERS.

Title.	Name.	Official address.
President	W. H. White	Boyne City, Mich.
Vice-President	Thomas White	Boyne City, Mich.
Secretary	W. L. Martin	Boyne City, Mich.
Auditor	J. M. Tompkins	Boyne City, Mich.
General Counsel	J. M. Harris	Boyne City, Mich.
General Manager	W. H. White	Boyne City, Mich.
Superintendent	L. H. White	Boyne City, Mich.
Land Agent	E. W. Abbot	Boyne City, Mich.
Mechanical Superintendent		
Chief Engineer	J. H. Charlton	Boyne City, Mich.
Manager for Receiver	H. W. Everest	Boyne City, Mich.

CHICAGO, KALAMAZOO & SAGINAW RAILWAY COMPANY.

Organized January 7, 1883, Charter amended December 10, 1887, under the general railroad laws of Michigan.

Controlled by the Michigan Central Railroad Company by ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
H. B. Ledyard	Detroit, Michigan	When successor is elected.
Henry Russel	Detroit, Michigan	
E. D. Bronner	Detroit, Michigan	
F. E. Robson	Detroit, Michigan	
F. O. Waldo	Detroit, Michigan	
N. H. Stewart	Kalamazoo, Michigan	
J. C. Shaffer	Chicago, Illinois	

OFFICERS.

Title.	Name.	Official address.
President	H. B. Ledyard	Detroit, Mich.
Vice-President	E. D. Bronner	Detroit, Mich.
Secretary	F. O. Waldo	Detroit, Mich.
Treasurer	W. E. Hackett	Detroit, Mich.
General Counsel	Henry Russel	Detroit, Mich.
Auditor	F. O. Waldo	Detroit, Mich.
Chief Engineer	G. H. Webb	Detroit, Mich.
Superintendent	L. Sergeant	Kalamazoo, Mich.

CHICAGO, MILWAUKEE & ST. PAUL RAILWAY COMPANY.

Organized May 5, 1863, under the Revised Statutes of Wisconsin of 1858, Chapter 79, Section 33.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Walter P. Bliss	New York City	September, 1917.
A. J. Earling	Chicago, Ill	September, 1917.
E. S. Harkness	New York City	September, 1917.
John D. Ryan	New York City	September, 1917.
Samuel McRoberts	New York City	September, 1917.
Donald G. Geddes	New York City	September, 1918.
William Rockefeller	New York City	September, 1918.
John A. Stewart	New York City	September, 1918.
H. R. Williams	New York City	September, 1918.
J. Ogden Armour	Chicago, Ill	September, 1919.
Stanley Field	Chicago, Ill	September, 1919.
L. J. Petit	Milwaukee, Wis	September, 1919.
P. A. Rockefeller	New York City	September, 1919.

OFFICERS.

Title.	Name.	Official address.
President	A. J. Earling	Chicago, Ill.
Vice-President	H. R. Williams	New York City.
Vice-President	J. H. Hiland	Chicago, Ill.
Vice-President	E. S. Keeley	Chicago, Ill.
Vice-President	E. D. Sewall	Chicago, Ill.
Vice-President	D. L. Bush	Chicago, Ill.
Vice-President	H. B. Earling	Seattle, Wash.
Vice-President	C. B. Ferry	New York, N. Y.
Secretary	E. W. Adams	Milwaukee, Wis.
Treasurer	F. G. Ranney	Chicago, Ill.
General Solicitor	H. H. Field	Chicago, Ill.
General Counsel	Burton Hanson	Chicago, Ill.
General Auditor	G. J. Bunting	Chicago, Ill.
General Manager	P. C. Hart	Chicago, Ill.
Chief Engineer	C. F. Loweth	Chicago, Ill.
Mechanical Superintendent	A. E. Manchester	Milwaukee, Wis.
General Superintendent	W. S. Cooper	Chicago, Ill.
General Superintendent	P. C. Eldredge	Milwaukee, Wis.
General Superintendent	J. H. Foster	Minneapolis, Minn.
General Superintendent	W. B. Foster	Seattle, Wash.
General Tax Agent	A. S. Dudley	Milwaukee, Wis.

CHICAGO & NORTHWESTERN RAILWAY COMPANY.

Organized June 7, 1859, under Act of Illinois Legislature, approved February 19, 1859, and of Wisconsin, approved March 14, 1859, Certificate made June 6, 1859.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
William K. Vanderbilt	New York, N. Y.	October, 1917.
Frederick W. Vanderbilt	New York, N. Y.	October, 1917.
Harold S. Vanderbilt	New York, N. Y.	October, 1917.
Cyrus H. McCormick	Chicago, Ill.	October, 1917.
Chauncey Keep	Chicago, Ill.	October, 1917.
Richard H. Aishton	Chicago, Ill.	October, 1917.
Chauncey M. Depew	New York, N. Y.	October, 1918.
Edward M. Hyzer	Chicago, Ill.	October, 1918.
Henry F. Frick	Pittsburgh, Pa.	October, 1918.
David P. Kimball	Boston, Mass.	October, 1918.
John V. Farwell	Chicago, Ill.	October, 1918.
Homer A. Miller	Des Moines, Ia.	October, 1918.
Marvin Hughitt	Chicago, Ill.	October, 1919.
Wm. K. Vanderbilt, Jr.	New York, N. Y.	October, 1919.
James Stillman	New York, N. Y.	October, 1919.
Oliver Ames	Boston, Mass.	October, 1919.
Zenas Crane	Dalton, Mass.	October, 1919.

OFFICERS.

Title.	Name.	Official address.
Chairman of the Board	Marvin Hughitt	Chicago, Ill.
President	Richard H. Aishton	Chicago, Ill.
Vice-President	Samuel A. Lynde	New York, N. Y.
Vice-President	Hiram R. McCullough	Chicago, Ill.
Vice-President	Marvin Hughitt, Jr	Chicago, Ill.
Vice-President and General Counsel	Edward M. Hyzer	Chicago, Ill.
Secretary	John D. Caldwell	Chicago, Ill.
Treasurer	Arthur S. Pierce	New York, N. Y.
General Solicitor	Carl C. Wright	Chicago, Ill.
Tax Commissioner	Thomas A. Polleys	Chicago, Ill.
Comptroller	Lewis A. Robinson	Chicago, Ill.
General Auditor	Charles D. Brandriff	Chicago, Ill.
General Manager	Samuel G. Strickland	Chicago, Ill.
General Manager	Frank Walters	Omaha, Neb.
General Solictor	Wm. G. Wheeler	Chicago, Ill.
Assistant General Manager	Walter J. Towne	Chicago, Ill.
Chief Engineer	William H. Finley	Chicago, Ill.
General Superintendet	Chester T. Dike	Huron, S. D.
General Superintendent	Stanley M. Braden	Norfolk, Neb.
General Superintendent	Geo. B. Vilas	Chicago, Ill.
Freight Traffic Manager	Frank P. Eyman	Chicago, Ill.
Passenger Traffic Manager	Alexander C. Johnson	Chicago, Ill.
Assistant Freight Traffic Manager	Edmund D. Brigham	Chicago, Ill.
Assistant Freight Traffic Manager	Henry W. Beyers	Chicago, Ill.
General Freight Agent	Samuel F. Miller	Chicago, Ill.
General Passenger and Ticket Agent	Charles A. Cairns	Chicago, Ill.
Land Commissioner	Josiah F. Cleveland	Chicago, Ill.
Gen. Supt. Motive Pr. & Car. Depts	Robert Quayle	Chicago, Ill.

CINCINNATI NORTHERN RAILROAD COMPANY.

Re-organized January 1, 1902, under the General Railroad Laws of Ohio and Michigan. Controlled by the Cleveland, Cincinnati, Chicago & St. Louis Railway Company by ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
W. H. Newman	New York, N. Y	October, 1917.
A. H. Smith	New York, N. Y	October, 1917.
Geo. R. Sheldon	New York, N. Y	October, 1917.
L. T. Hackney	Cincinnati, Ohio	October, 1917.
H. A. Worcester	Cincinnati, Ohio	October, 1917.

OFFICERS.

Title.	Name.	Official address.
President	A. H. Smith	New York, N. Y.
Vice-President	W. K. Vanderbilt, Jr	New York, N. Y.
Vice-President	A. H. Harris	New York, N. Y.
Secretary	D. W. Pardee	New York, N. Y.
Treasurer	M. S. Barger	New York, N. Y.
General Solicitor		
General Counsel	L. J. Hackney	Cincinnati, O.
Auditor	W. A. Wildhack	Cincinnati, O.
General Manager	H. A. Worcester	Cincinnati, O.
Chief Engineer	W. D. Williams	Van Wert, O.
General Superintendent	J. V. Kennedy	Van Wert, O.
Master Mechanic	J. J. Maginn	Van Wert, O.
General Land and Tax Agent	H. D. Howe	Chicago, Ill.

THE CLEVELAND, CINCINNATI, CHICAGO AND ST. LOUIS RAILWAY COMPANY.

Organized June 7, 1889, under General Railroad Laws of Ohio and Indiana. Controlled by New York Central Railroad Company by sole ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
F. W. Vanderbilt	New York City	October 31, 1917.
Wm. Rockefeller	New York City	October 31, 1917.
W. P. Bliss	New York City	October 31, 1917.
R. S. Lovett	New York City	October 31, 1917.
L. J. Hackney	Cincinnati, Ohio	October 31, 1917.
W. K. Vanderbilt	New York City	October 30, 1918.
C. M. Depew	New York City	October 30, 1918.
A. H. Smith	New York City	October 30, 1918.
H. S. Vanderbilt	New York City	October 30, 1918.
F. J. Jerome	New York City	October 30, 1918.
G. F. Baker	New York City	October 29, 1919.
W. C. Brown	Chicago, Illinois	October 29, 1919.
W. H. Newman	New York City	October 29, 1919.
W. K. Vanderbilt, Jr	New York City	October 29, 1919.
H. A. Worcester	Cincinnati, Ohio	October 29, 1919.

OFFICERS.

Title.	Name.	Official address.
President	A. H. Smith	New York City.
Vice-President	W. K. Vanderbilt, Jr	New York City.
Vice-President	A. H. Harris	New York City.
Vice-President	A. T. Hardin	New York City.
Vice-President and General Manager	H. A. Worcester	Cincinnati, O.
Supt. Motive Power	D. J. Mullen	Indianapolis, Ind.
General Master Car Builder	Ira S. Downing	Indianapolis, Ind.
Secretary	Dwight W. Pardee	New York City.
Treasurer	Milton S. Barger	New York City.
General Counsel	L. J. Hackney	Cincinnati, Ohio.
Auditor	W. A. Wildhack	Cincinnati, Ohio.
General Manager	H. A. Worcester	Cincinnati, Ohio.
Chief Engineer	Chas. A. Paquette	Cincinnati, Ohio.
General Superintendent	E. M. Costin	Indianapolis, Ind.
General Tax and Land Agent	H. D. Howe	Chicago, Illinois.

COPPER RANGE RAILROAD COMPANY.

Organized January 23, 1899, under Act 198, of P. A. of 1873, as amended, being Sec. 6223 et. seq. of Compiled Laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
William A. Paine	Boston, Mass	June 30, 1917.
J. H. Rice	Houghton, Mich	June 30, 1917.
F. W. Deaton	Painesdale, Mich	June 30, 1917.
F. W. Paine	Houghton, Mich	June 30, 1917.
S. L. Smith	Detroit, Mich	June 30, 1917.
F. R. Bolles	Houghton, Mich	June 30, 1917.
T. S. Dee	Boston, Mass	June 30, 1917.
W. D. Calverly	Houghton, Mich	June 30, 1917.
F. Stanwood	Boston, Mass	June 30, 1917.

OFFICERS.

Title.	Name.	Official address.
President	William A. Paine	Boston, Mass.
Vice-President	F. W. Paine	Houghton, Mich.
Secretary and Treasurer	Frederic Stanwood	Boston, Mass.
Attorney or General Counsel	John G. Stone	Houghton, Mich.
Auditor	C. E. Wright	Houghton, Mich.
General Manager	F. R. Bolles	Houghton, Mich.
Chief Engineer	F. L. Bachelder	Houghton, Mich.
General Superintendent	A. H. Ehlers	Houghton, Mich.
Mechanical Superintendent	N. M. Baker	Houghton, Mich.

DELRAY CONNECTING RAILROAD COMPANY.

Organized March 24, 1904, under the General Railroad Laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
H. Knapp	Syracuse, N. Y	March 21, 1917.
H. H. S. Handy	Syracuse, N. Y	March 21, 1917.
W. H. Ball	Syracuse, N. Y	March 21, 1917.
S. G. Barnes	Detroit, Mich	March 21, 1917.
A. H. Green, Jr	Detroit, Mich	March 21, 1917.
R. E. Clapp	Detroit, Mich	March 21, 1917.
J. D. Sanders	Detroit, Mich	March 21, 1917.

OFFICERS.

Title.	Name.	Official address.
President	A. H. Green, Jr	Detroit, Mich.
First Vice-President	M. H. Knapp	Syracuse, N. Y.
Secretary	J. D. Sanders	Detroit, Mich.
Treasurer	W. P. Herbert	Detroit, Mich.
Attorney or General Counsel	H. S. Miller	Syracuse, N. Y.
Auditor	A. D. Alibone	Syracuse, N. Y.
General Manager	A. H. Green, Jr	Detroit, Mich.
Chief Engineer	S. G. Barnes	Detroit, Mich.
General Superintendent	F. T. Stow	Detroit, Mich.
Mechanical Superintendent	W. L. Symon	Detroit, Mich.

DELRAY TERMINAL RAILROAD COMPANY.

Organized January 24, 1905, under the laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Alex. Dow	Detroit, Mich	On election of successors at annual meeting.
A. C. Marshall	Detroit, Mich	
Sam'l C. Mumford	Detroit, Mich	
George Wiley	Detroit, Mich	
James V. Oxtoby	Detroit, Mich	

OFFICERS.

Title.	Name.	Official address.
President	Alex. Dow	Detroit, Michigan.
First Vice-President	A. C. Marshall	Detroit, Michigan.
Secretary	James V. Oxtoby	Detroit, Michigan.
Treasurer	George Wiley	Detroit, Michigan.
Attorney or General Counsel	Oxtoby & Wilkinson	Detroit, Michigan.
Auditor	Samuel C. Mumford	Detroit, Mich., 18 Wash. Ave.
General Manager	J. W. Brennan	Detroit, Michigan.
General Superintendent	J. W. Brennan	Detroit, Michigan.

DETROIT, AY CITY & WESTERN RAILROAD COMPANY.

Organized May 20, 1909, under the laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Thomas L. Handy	Bay City, Michigan	January 20, 1917.
Charles W. Handy	Bay City, Michigan	
George W. Handy	Bay City, Michigan	
Frank S. Handy	Bay City, Michigan	
C. S. Ruttle	Bay City, Michigan	
M. E. Handy	Bay City, Michigan	
A. R. Handy	Bay City, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	Thomas L. Handy	Bay City, Mich.
Vice-President	Charles W. Handy	Bay City, Mich.
Secretary	Frank S. Handy	Bay City, Mich.
Treasurer	George W. Handy	Bay City, Mich.
General Counsel	J. E. Duffey	Bay City, Mich.
Auditor	A. C. McDannal	Bay City, Mich.
General Manager	Thomas L. Handy	Bay City, Mich.
Chief Engineer	Wm. N. Boyd	Bay City, Mich.
General Superintendent	C. S. Ruttle	Bay City, Mich.

DETROIT & MACKINAC RAILWAY COMPANY.

Organized December 29, 1894, under the laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Henry K. McHarg	Stamford, Connecticut	December 31, 1916.
James D. Hawks	Detroit, Michigan	December 31, 1916.
Wanton D. Furguson	Stamford, Connecticut	December 31, 1916.
Henry K. McHarg, Jr	Stamford, Connecticut	December 31, 1916.
James Brown Mabon	New York, N. Y.	December 31, 1916.

OFFICERS.

Title.	Name.	Official address.
President	Henry K. McHarg	Stamford, Conn.
First Vice-President	James D. Hawks	Detroit, Mich.
Second Vice-President	George M. Crocker	Detroit, Mich.
Secretary	Charles B. Colebrook	New York, N. Y.
Treasurer	Charles B. Colebrook	New York, N. Y.
General Counsel	James McNamara	Detroit, Mich.
Auditor	George M. Crocker	Detroit, Mich.
General Manager	James D. Hawkes	Detroit, Mich.
General Superintendent	C. W. Luce	East Tawas, Mich.
Mechanical Superintendent	H. T. Thomas	East Tawas, Mich.

DETROIT TERMINAL RAILROAD.

Organized December 8, 1905, under the laws of the State of Michigan.

Controlled by the Michigan Central Railroad Company, New York Central Raiload Company, Grand Trunk Railway Company and Detroit, Grand Haven & Milwaukee Railway Company by ownership of stock. 25 per cent each road.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
H. B. Ledyard	Detroit, Michigan	January 25, 1917.
E. J. Chamberlin	Montreal, Quebec	
A. B. Atwater	Detroit, Michigan	
E. D. Bronner	Detroit, Michigan	
H. G. Kelley	Montreal, Quebec	
G. W. Alexander	Detroit, Michigan	
S. J. Jerome	Cleveland, Ohio	
Henry Russell	Detroit, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	H. B. Ledyard	Detroit, Mich.
First Vice-President	A. B. Atwater	Detroit, Mich.
Secretary	F. O. Waldo	Detroit, Mich.
Treasurer	G. W. Alexander	Detroit, Mich.
General Counsel	Henry Russell	Detroit, Mich.
Auditor	Elwyn B. Kennedy	Detroit, Mich.
Manager	W. D. Trump	Detroit, Mich.
Chief Engineer	C. E. Merwin	Detroit, Mich.

DETROIT, TOLEDO & IRONTON RAILROAD COMPANY.

Organized February 20, 1914, under the laws of the State of Delaware.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
James M. Kurn	Detroit, Mich.	March 1, 1917.
Wm. Church Osborn	71 Broadway, N. Y.	
Otto T. Bannard	26 Broad St., N. Y.	
Sidney C. Borg	31 Nassau St., N. Y.	
Frederick H. Ecker	1 Madison Ave., N. Y.	
F. H. Osborn	Detroit, Mich.	
Harry Forsyth	26 Broad St., N. Y.	

OFFICERS.

Title.	Name.	Official address.
President	J. M. Kurn	Detroit, Mich.
First Vice-President	Wm. Church Osborn	New York City.
Vice-Presidnet	F. H. Osborn	Detroit, Mich.
Secretary	F. H. Osborn	Detroit, Mich.
Treasurer	E. C. Davis	Detroit, Mich.
General Counsel	L. M. Butzel	Detroit, Mich.
Auditor	A. R. Meacham	Detroit, Mich.
General Manager	J. H. Fraser	Detroit, Mich.
Chief Engineer	T. Groner	Springfield, Ohio.
General Superintendent	G. W. Thompson	Springfield, Ohio.

DETROIT & TOLEDO SHORE LINE RAILROAD COMPANY.

Organized March 29, 1898, under the laws of the State of Michigan.

Controlled by the Grand Trunk Western Railway Company and Toledo, St. Louis & Western Railroad Company, by ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
W. L. Ross	Toledo, Ohio	October 1, 1917 or when their successors are elected.
H. G. Kelley	Montreal, Can.	
Jas. S. Mackie	New York, N. Y.	
E. J. Chamberlin	Montreal, Can.	
A. B. Atwater	Detroit, Mich.	
B. C. Stevenson	Toledo, Ohio	

OFFICERS.

Title.	Name.	Official address.
President	W. L. Ross	Toledo, Ohio.
Vice-President	H. G. Kelley	Montreal, Can.
Secretary and Treasurer	George W. Alexander	Detroit, Mich.
Auditor	L. F. Lang	Detroit, Mich.
General Manager	J. P. Main	Detroit, Mich.
Mechanical Superintendent	J. F. Hasel	Toldeo, Ohio.

THE DETROIT UNION RAILROAD DEPOT & STATION COMPANY.

Organized June 11, 1881, under the laws of the State of Michigan.

Property leased Pere Marquette and Wabash R. R. Cos.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Henry B. Joy	Detroit, Michigan	
Richard P. Joy	Detroit, Michigan	
Henry D. Sheldon	Detroit, Michigan	
Truman H. Newberry	Detroit, Michigan	
Phillip H. McMillan	Detroit, Michigan	
Frederick W. Dennis	Detroit, Michigan	
Allan Sheldon	Detroit, Michigan	
A. H. Buhl	Detroit, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	Richard P. Joy	Detroit, Mich.
Vice-President	Henry B. Joy	Detroit, Mich.
Secretary	M. E. Simon	Detroit, Mich.
Treasurer	Frederick W. Dennis	Detroit, Mich.

DULUTH, SOUTH SHORE & ATLANTIC RAILWAY COMPANY.

Organized December 22, 1886, under the general railway laws of Michigan and Wisconsin.

Controlled by the Canadian Pacific Railway Company, through ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
I. G. Ogden	Montreal, Quebec	When their successors are elected and qualify.
A. B. Eldredge	Marquette, Mich.	
Jas. McNaughton	Calumet, Mich.	
W. W. Walker	Duluth, Minn.	
W. A. Bog	New York, N. Y.	
John W. Sterling	New York, N. Y.	
R. Y. Hebden	New York, N. Y.	
Geo. H. Church	New York, N. Y.	
James O. Bloss	New York, N. Y.	
W. H. Peck	New York, N. Y.	
F. R. Perry	New York, N. Y.	

OFFICERS.

Title.	Name.	Official address.
President and General Counsel	A. B. Eldredge	Marquette, Mich.
Vice-President and General Manager	W. W. Walker	Duluth, Minn.
Vice-President	George H. Church	New York, N. Y.
Secretary	James Clarke	New York, N. Y.
Treasurer	W. J. Ellison	Marquette, Mich.
Comptroller	A. E. Delf	Marquette, Mich.
Auditor	F. W. Kemp	Marquette, Mich.
Assistant to General Manager	E. R. Lewis	Duluth, Minn.
General Superintendent	C. E. Lytle	Marquette, Mich.
General Counsel	A. B. Eldredge	Marquette, Mich.
General Freight Agent		
General Passenger Agent		
Supt. Motive Power and Machinery	J. J. Connolly	Marquette, Mich.
General Land and Tax Agent	A. E. Delf	Marquette, Mich.

EAST JORDAN & SOUTHERN RAILROAD COMPANY.

Organized July 9, 1901, under the laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
William P. Porter	East Jordan, Mich.	Second Monday in September, each year.
A. H. Frost	San Diego, Cal.	
E. A. English	Pasadena, Cal.	

OFFICERS.

Title.	Name.	Official address.
President	William P. Porter	East Jordan, Mich.
Vice-President	E. A. English	Pasadena, Cal.
Secretary and Treasurer	A. H. Frost	San Diego, Cal.
Auditor	F. E. Brotherton	East Jordan, Mich.
General Manager	W. P. Porter	East Jordan, Mich.
Chief Engineer	Jno. Severance	East Jordan, Mich.
General Superintendent	W. P. Porter	East Jordan, Mich.
General Freight and Passenger Agent	E. J. Crossman	East Jordan, Mich.

ERIE & MICHIGAN RAILWAY & NAVIGATION COMPANY.

Organized June 30, 1904, under the laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
C. G. Root	Chicago, Ill.	July 9, 1917.
C. W. Luce	East Tawas, Mich.	
G. R. Nichols	Chicago, Ill.	
S. Q. Fulton	Chicago, Ill.	
S. T. Meservey	Chicago, Ill.	
S. S. Jenkins	Chicago, Ill.	
E. E. Wilhelm	Chicago, Ill.	

OFFICERS.

Title.	Name.	Official address.
President	C. G. Root	Chicago, Ill.
First Vice-President	S. T. Meservey	Chicago, Ill.
Secretary	S. S. Jenkins	Chicago, Ill.
Treasurer	S. S. Jenkins	Chicago, Ill.
Auditor	J. J. Walsh	Chicago, Ill.
General Manager	C. G. Root	Chicago, Ill.
General Superintendent	C. W. Luce	East Tawas, Mich.
General Freight and Passenger Agent	E. E. Wilhelm	Chicago, Ill.
Chief Engineer	H. F. Thomas	East Tawas, Mich.

EMPIRE & SOUTH EASTERN RAILROAD.

Owned by T. Wilce Co., of Chicago, which is

Organized under the laws of the States of Illinois.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Jane Wilce	22nd and Throop Sts., Chicago, Ill.	
E. H. Wilce	Empire, Michigan	
George C. Wilce	22nd and Throop Sts., Chicago, Ill.	
Thomas E. Wilce	22nd and Throop Sts., Chicago, Ill.	

OFFICERS.

Title.	Name.	Official address.
President	E. Harvey Wilce	Empire, Mich.
First Vice-President	George C. Wilce	22nd & Throop Sts., Chicago.
Secretary	Thomas E. Wilce	22nd & Throop Sts., Chicago.
Treasurer	George C. Wilce	22nd & Throop Sts., Chicago.
General Manager		
General Superintendent	C. M. Bidleman	Empire, Mich.
Auditor	E. A. Voice	Empire, Mich.
Traffic Manager	C. H. Baker	

ESCANABA AND LAKE SUPERIOR RAILROAD COMPANY.

Organized February 12, 1900, under the laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Isaac Stephenson	Marinette, Wis.	Indefinite.
H. A. J. Upham	Milwaukee, Wis.	
J. A. Van Cleve	Marinette, Wis.	
C. W. Kates	Wells, Michigan	
Grant T. Stephenson	Milwaukee, Wis.	
H. J. Brown	Marinette, Wis.	
Nelson L. Barnes	Chicago, Ill.	

OFFICERS.

Title.	Name.	Official address.
Chairman of the Board	Isaac Stephenson	Marinette, Wis.
President	Isaac Stephenson	Marinette, Wis.
First Vice-President	H. A. J. Upham	Milwaukee, Wis.
Secretary	Grant T. Stephenson	Milwaukee, Wis.
Treasurer	Nelson L. Barnes	Chicago, Ill.
General Attorney	C. C. Russell	Milwaukee, Wis.
General Manager	C. W. Kates	Wells, Michigan.

ESCANABA, IRON MOUNTAIN & WESTERN RAILROAD COMPANY.

Organized January 24, 1890, under the General Railroad Laws of Michigan. Controlled and operated by Chicago and Northwestern Railroad Company, by virtue of sole ownership of stock and specific lease.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Richard H. Ashton	Chicago, Illinois	October 12, 1916.
H. R. McCullough	Chicago, Illinois	October 12, 1916.
Lewis A. Robinson	Chicago, Illinois	October 12, 1916.
J. F. Cleveland	Chicago, Illinois	October 12, 1916.
John D. Caldwell	Chicago, Illinois	October 12, 1916.

OFFICERS.

Title.	Name.	Official address.
President	Richard H. Ashton	Chicago, Illinois.
Vice-President	John D. Caldwell	Chicago, Illinois.
Secretary	John D. Caldwell	Chicago, Illinois.
Treasurer	Arthur B. Jones	Chicago, Illinois.
Comptroller	Lewis A. Robinson	Chicago, Illinois.
Superintendent	F. J. Byington	Escanaba, Mich.

FORT STREET UNION DEPOT COMPANY.

Organized August 24, 1889, under the laws of the State of Michigan.

Property operated by P. M. R. R., Wabash R. R. and Can. Pac. Ry. Companies.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Frank H. Alfred	Detroit, Michigan	February 7, 1917.
J. T. Arundel	Toronto, Ontario	
Paul H. King	Detroit, Michigan	
S. T. Crapo	Detroit, Michigan	
S. L. Merriam	Detroit, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	Frank H. Alfred	Detroit, Mich.
Vice-President	J. T. Arundel	Toronto, Ontario.
Secretary	J. L. Cramer	Detroit, Mich.
Treasurer and Assistant Secretary	E. N. Weller	Detroit, Mich.
Auditor	H. G. Meyers	Detroit, Mich.
Superintendent	George E. Williams	Detroit, Mich.
General Attorney	Parker, Shields & Brown	Detroit, Mich.

BAY CITY TERMINAL RAILWAY COMPANY.

Organised August 29, 1910, under statutes of the State of Michigan. Controlled by Grand Trunk Railway Company of Canada through stock ownership. Terminal property operated by Grand Trunk Ry. Co. of Canada, in conjunction with C. S. & M .Ry.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. J. Chamberlin	Montreal, Que.	October 1, 1917, or until their successors are appointed.
H. G. Kelley	Montreal, Que.	
Frank Scott	Montreal, Que.	
A. B. Atwater	Detroit, Mich.	
H. R. Safford	Montreal, Que.	
L. C. Stanley	Detroit, Mich.	
Geo. W. Alexander	Detroit, Mich.	

OFFICERS.

Title.	Name.	Official address.
President	E. J. Chamberlin	Montreal, Que.
Vice-President	H. G. Kelley	Montreal, Que.
Secretary and Treasurer	Geo. W. Alexander	Detroit, Mich.
Comptroller	W. H. Ardley	Montreal, Que.

CHICAGO, DETROIT & CANADA GRAND TRUNK JUNCTION R. R. CO.

Organised March 18, 1858; articles of association filed with State of Michigan.

Railroad operated by Grand Trunk Ry. Co. of Canada for owning company.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. J. Chamberlin	Montreal, Quebec	October 1, 1917, or until their successors are elected.
Frank Scott	Montreal, Quebec	
H. G. Kelley	Montreal, Quebec	
A. B. Atwater	Detroit, Michigan	
U. E. Gillen	Chicago, Ill.	

OFFICERS.

Title.	Name.	Official address.
President	E. J. Chamberlin	Montreal, Quebec.
Vice-President	H. G. Kelley	Montreal, Quebec.
Vice-President	J. E. Dalrymple	Montreal, Quebec.
Vice-President	R. S. Logan	Montreal, Quebec.
Secretary	G. W. Alexander	Detroit, Michigan.
Treasurer	Frank Scott	Montreal, Quebec.
General Counsel	W. H. Begger	Montreal, Quebec.
Assistant to President	A. B. Atwater	Detroit, Michigan.
Comptroller	W. H. Ardley	Montreal, Quebec.
Chief Engineer	H. R. Safford	Montreal, Quebec.
General Superintendent	U. E. Gillen	Chicago, Ill.
Mechanical Superintendent	W. D. Robb	Montreal, Quebec.
General Land and Tax Agent	E. Donald	Montreal, Quebec.

CHICAGO & KALAMAZOO TERMINAL RAILROAD COMPANY.

Organized July 1, 1895, under the Laws of the State of Michigan.

Controlled by the Grand Trunk Railway Company of Canada.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. J. Chamberlin	Montreal, Quebec	Oct. 1, 1917, or until successors are elected or qualified.
H. G. Kelley	Montreal, Quebec	
A. B. Atwater	Detroit, Michigan	
H. R. Safford	Montreal, Quebec	
U. E. Gillen	Chicago, Illinois	
L. C. Stanley	Detroit, Michigan	
M. H. Lane	Kalamazoo, Michigan	
C. B. Hays	Kalamazoo, Michigan	
G. W. Alexander	Detroit, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	E. J. Chamberlin	Montreal, Quebec.
Vice-President	H. G. Kelley	Montreal, Quebec.
Secretary and Treasurer	G. W. Alexander	Detroit, Michigan.
Comptroller	W. H. Ardley	Montreal, Quebec.

CINCINNATI, SAGINAW & MACKINAW RAILROAD COMPANY.

Organized December 26, 1889, under the Laws of the State of Michigan.

Railroad property operated by Grand Trunk Ry. Co. of Canada.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
W. R. Burt	Saginaw, Mich	April 17, 1917, or until successors are elected.
G. M. Stark	Saginaw, Mich	
J. H. Lancashire	Manchester, Mass	
W. T. Otis	Saginaw, Mich	
C. H. Davis	Saginaw, Mich	
W. T. Knowlton	Saginaw, Mich	
P. F. H. Morley	Saginaw, Mich	

OFFICERS.

Title.	Name.	Official address.
President	W. R. Burt	Saginaw, Michigan.
Vice-President	G. M. Stark	Saginaw, Michigan.
Secretary and Treasurer	W. T. Knowlton	Saginaw, Michigan.

DETROIT, GRAND HAVEN AND MILWAUKEE RAILWAY COMPANY.

Reorganized November 9, 1878, under the Act of the Legislative Council of the Territory of Michigan, dated March 7, 1834. Controlled by the Grand Trunk Railway Company by ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. J. Chamberlin	Montreal, Quebec	October 1, 1917, or until their successors are appointed.
H. G. Kelley	Montreal, Quebec	
Frank Scott	Montreal, Quebec	
H. R. Safford	Montreal, Quebec	
U. E. Gillen	Chicago, Ill	
Geo. W. Alexander	Detroit, Michigan	
A. B. Atwater	Detroit, Michigan	
L. C. Stanley	Detroit, Michigan	
S. A. Megeath	New York	

OFFICERS.

Title.	Name.	Official address.
President	E. J. Chamberlin	Montreal, Quebec.
Vice-President	H. G. Kelley	Montreal, Quebec.
Secretary and Treasurer	Geo. W. Alexander	Detroit, Michigan.
Comptroller	W. H. Ardley	Montreal, Quebec.
General Manager		

GRAND RAPIDS TERMINAL RAILROAD COMPANY.

Organized Qugust 13, 1904, under the Laws of the State of Michigan. Controlled by Grand Trunk Railway Company of Canada by stock ownership. Terminal property operated by Detroit, Grand Haven & Milwaukee Railway Co.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. J. Chamberlin	Montreal, Quebec	October 1, 1917, or until successors are appointed.
H. G. Kelley	Montreal, Quebec	
A. B. Atwater	Detroit, Michigan	
L. C. Stanley	Detroit, Michigan	
Geo. W. Alexander	Detroit, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	E. J. Chamberlin	Montreal, Quebec.
Vice-President	H. G. Kelley	Montreal, Quebec.
Secretary and Treasurer	Geo. W. Alexander	Detroit, Michigan.
Comptroller	W. H. Ardley	Montreal, Quebec.

DETROIT AND HURON RAILWAY COMPANY.

Organized March 23, 1912, under laws of the State of Michigan. Controlled by Grand Trunk Western Railway Company through stock ownership. Part of Grand Trunk system.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. J. Chamberlin	Montreal, Quebec	October 1, 1917, or until their successors are elected.
H. G. Kelley	Montreal, Quebec	
A. B. Atwater	Detroit, Mich	
F. W. Hubbard	Detroit, Mich	
L. C. Stanley	Detroit, Mich	

OFFICERS.

Title.	Name.	Official address.
President	E. J. Chamberlin	Montreal, Quebec.
Vice-President	H. G. Kelley	Montreal, Quebec.
Secretary and Treasurer	George A. Alexander	Detroit, Mich.
Comptroller	W. H. Ardley	Montreal, Quebec.

GRAND TRUNK WESTERN RAILWAY COMPANY.

Organized November 20, 1900, under the Laws of the States of Michigan and Indiana. Controlled by the Grand Trunk Railway Co. of Canada, through trustees holding the capital stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. J. Chamberlin	Montreal, Quebec	October 1, 1917, or until successors are appointed.
H. G. Kelley	Montreal, Quebec	
M. H. Lane	Kalamazoo, Mich	
S. A. Megeath	New York	
A. B. Atwater	Detroit, Mich	
Arthur Dixon	Chicago, Ill	
L. R. Skinner	Valparaiso, Ind	

OFFICERS.

Title.	Name.	Official address.
President and General Manager	E. J. Chamberlin	Montreal, Quebec.
Vice-President	H. G. Kelley	Montreal, Quebec.
Secretary and Treasurer	Geo. W. Alexander	Detroit, Mich.
Comptroller	W. H. Ardley	Montreal, Quebec.

MICHIGAN AIR LINE RAILWAY COMPANY.

Organized August 28, 1868, under Laws of the State of Michigan. Controlled by Grand Trunk Railway Company of Canada, through trustees holding the capital stock for stockholders of G. T. Ry. Operated by G. T. Ry. Co. of Canada.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. J. Chamberlin	Montreal, Quebec	October 1, 1917, or until successors are appointed.
Frank Scott	Montreal, Quebec	
H. G. Kelley	Montreal, Quebec	
U. E. Gillen	Chicago, Ill.	
A. B. Atwater	Detroit, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	E. J. Chamberlin	Montreal, Quebec.
Vice-President	H. G. Kelley	Montreal, Quebec.
Secretary	Geo. W. Alexander	Detroit, Michigan.
Treasurer	Frank Scott	Montreal, Quebec.
Comptroller	W. H. Ardley	Montreal, Quebec.

PONTIAC, OXFORD & NORTHERN RAILROAD.

Organized September 24, 1889, Laws of State of Michigan, Act 198, Laws 1873, as amended by Act 146, Laws 1879, and Act 289, Laws 1881. Controlled by Grand Trunk Western Railway Company by stock ownership. Part of Grand Trunk system.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. J. Chamberlin	Montreal, Quebec	October 1, 1917, or until successors are elected.
H. G. Kelley	Montreal, Quebec	
Frank Scott	Montreal, Quebec	
H. R. Safford	Montreal, Quebec	
A. B. Atwater	Detroit, Michigan	
U. E. Gillen	Chicago, Ill.	

OFFICERS.

Title.	Name.	Official address.
President	E. J. Chamberlin	Montreal, Quebec.
Vice-President	H. G. Kelley	Montreal, Quebec.
Secretary and Treasurer	G. W. Alexander	Detroit, Michigan.
Comptroller	W. H. Ardley	Montreal, Quebec.

ST. CLAIR TUNNEL COMPANY.

Date of organization incorporated and consolidated November 9, 1886, under the Laws of the State of Michigan and Dominion of Canada.

Controlled by the Grand Trunk Railway Company of Canada by ownership of stock. Part of Grand Trunk system.

DIRECTORS.

Name.	Postoffice address.	Expiartion of term.
E. J. Chamberlin	Montreal, Quebec	October 1, 1917, or until their successors are appointed.
H. G. Kelley	Montreal, Quebec	
Frank Scott	Montreal, Quebec	
H. R. Safford	Montreal, Quebec	
A. B. Atwater	Detroit, Michigan	
U. E. Gillen	Chicago, Ill	
S. A. Megeath	New York	

OFFICERS.

Title.	Name.	Official address.
President	E. J. Chamberlin	Montreal, Quebec.
Vice-President	H. G. Kelley	Montreal, Quebec.
Secretary	G. W. Alexander	Detroit, Michigan.
Comptroller	W. H. Ardley	Montreal, Quebec.
Treasurer	Frank Scott	Montreal, Quebec.
Manager	H. G. Kelley	Montreal, Quebec.

TOLEDO, SAGINAW & MUSKEGON RAILWAY COMPANY.

Organized under the General Laws of the State of Michigan, January 25, 1886. Controlled through trustees holding the capital stock, by the Grand Trunk Railway Co. of Canada. Part of Grand Trunk system.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. J. Chamberlin	Montreal, Quebec	October 1, 1917, or until successors are appointed.
Frank Scott	Montreal, Quebec	
U. E. Gillen	Chicago, Ill	
A. B. Atwater	Detroit, Michigan	
C. W. Middleton	Greenville, Mich	
H. G. Kelley	Montreal, Quebec	
F. E. Ranney	Greenville, Mich	

OFFICERS.

Title.	Name.	Official address.
President and General Manager	E. J. Chamberlin	Montreal, Quebec.
Vice-President	H. G. Kelley	Montreal, Quebec.
Secretary	G. W. Alexander	Detroit, Michigan.
Comptroller	W. H. Ardley	Montreal, Quebec.

THE HOUGHTON, CHASSELL & SOUTHWESTERN RAILROAD.

Organized March 22, 1909, under the provisions of Act No. 148 of the Public Acts of 1855, State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
H. E. Southwell	Chassell, Michigan	
C. H. Worcester	Chassell, Michigan	
Mary F. S. Worcester	Chassell, Michigan	
E. A. Hamar	Chassell, Michigan	
R. Cousin	Chicago, Illinois	

OFFICERS.

Title.	Name.	Official address.
President	C. H. Worcester	Chassell, Michigan.
First Vice-President	Mary F. S. Worcester	Chassell, Michigan.
Secretary		
Treasurer	C. H. Worcester	Chassell, Michigan.
Auditor	Geo. F. Fesing	Chassell, Michigan.
General Manager	E. W. Hamar	Chassell, Michigan.
General Superintendent	W. F. Merrill	Chassell, Michigan.

HANCOCK & CALUMET RAILROAD COMPANY.

Organized January 14, 1885, under General Railroad Laws of the State of Michigan. Controlled and operated by Mineral Range Railroad Company by virtue of sole ownership of capital stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
C. E. Lytle	Marquette, Michigan	September 20, 1917.
J. G. Reynolds	Marquette, Michigan	
A. B. Eldredge	Marquette, Michigan	
A. E. Miller	Marquette, Michigan	
J. T. Reeder	Calumet, Michigan	
Jas. MacNaughton	Calumet, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	C. E. Lytle	Marquette, Mich.
Vice-President	J. G. Reynolds	Marquette, Mich.
Secretary	A. E. Miller	Marquette, Mich.
Treasurer	F. W. Kemp	Marquette, Mich.
GeneraoCounsel		
Comptroller		

KALAMAZOO, LAKE SHORE & CHICAGO RAILWAY COMPANY.

Organized April 12, 1905, under Chapter 168 of the Compiled Laws of Michigan of 1897.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Jas. Grant	Kalamazoo, Mich	December 31, 1916.
J. B. Monroe	Kalamazoo, Mich	December 31, 1916.
Chas. E. Peck	Kalamazoo, Mich	December 31, 1916.
Patrick Noud	Manistee, Mich	December 31, 1916.
Geo. T. Arnold	Mackinac Island, Mich	December 31, 1916.
Geo. E. Bardun	Otsego, Mich	December 31, 1916.
J. W. Thompson	Detroit, Mich	December 31, 1916.

OFFICERS.

Title.	Name.	Official address.
President	Jas. Grant	Kalamazoo, Mich.
Vice-President	Geo. T. Arnold	Mackinac Island, Mich.
Secretary and Treasurer	S. B. Monroe	Kalamazoo, Mich.
Comptroller	E. F. Bard	Lawton, Mich.
General Manager	H. D. Swayze	Lawton, Mich.

KEWEENAW CENTRAL RAILROAD COMPANY.

Organized April 27, 1905, under the Laws of the State of Michigan.

Controlled by the Keweenaw Copper Co., ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Thomas F. Cole	Duluth, Minn	August 14, 1917.
Spencer R. Hill	Boston, Mass	August 14, 1917.
C. A. Wright	Calumet, Michigan	August 14, 1917.
Henry L. Baer	Hancock, Michigan	August 14, 1917.

OFFICERS.

Title.	Name.	Official address.
President	T. F. Cole	Duluth, Minn.
First Vice-President	Spencer R. Hill	Boston, Mass.
Second Vice-President		
Secretary-Treasurer	F. W. Taylor	Calumet, Mich.
General Counsel	Joseph B. Cotton	120 Broadway, New York.
General Solicitor		
Auditor	F. W. Taylor	Calumet, Michigan.
General Manager	W. J. Uren	Calumet, Michigan.
General Freight & Passenger Agent	F. W. Taylor	Calumet, Michigan.

LAKE SUPERIOR & ISHPEMING RAILWAY COMPANY.

Organized February 17, 1893, under Laws of State of Michigan.

Controlled by the Cleveland Cliffs Iron Co. and Pittsburgh and Lake Angeline Iron Co., by stock ownership.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
W. G. Mather	Cleveland, Ohio	February 7, 1917.
Jas. B. Laughlin	Pittsburgh, Pa	February 7, 1917.
Wm. G. Pollock	Cleveland, Ohio	February 7, 1917.
B. F. Jones, Jr	Pittsburgh, Pa	February 7, 1917.
J. H. Wade	New York, N. Y	February 7, 1917.
Jas. H. Hoyt	Cleveland, Ohio	February 7, 1917.
H. R. Harris	Marquette, Mich	February 7, 1917.

OFFICERS.

Title.	Name.	Official address.
President	Wm. G. Mather	Cleveland, Ohio.
First Vice-President	Jas. B. Laughlin	Pittsburgh, Pa.
Second Vice-President	H. R. Harris	Marquette, Mich.
Secretary	J. H. Hoyt	Cleveland, Ohio.
Assistant Secretary	R. C. Mann	Cleveland, Ohio.
Treasurer	W. G. Pollock	Cleveland, Ohio.
Geheral Solicitor	W. P. Belden	Ishpeming, Mich.
Auditor	H. A. St. John	Marquette, Mich.
General Manager	H. R. Harris	Marquette, Mich.
Chief Engineer	R. C. Young	Marquette, Mich.
General Freight Agent		
General Passenger Agent		
Mechanical Superintendent	W. H. Richmond	Marquette, Mich.
Superintendent	W. F. Morgan	Marquette, Mich.

LUDINGTON & NORTHERN RAILWAY.

Organized July 13, 1901, under Michigan Railway Train Act No. 6394.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
J. S. Stearns	Ludington, Mich	April 14, 1917.
R. L. Stearns	Ludington, Mich	April 14, 1917.
W. T. Culver	Ludington, Mich	April 17, 1917.
J. I. Burns	Ludington, Mich	April 14, 1917.
F. W. Hawley	Ludington, Mich	April 14, 1917.

OFFICERS.

Title.	Name.	Official address.
President	J. S. Stearns	Ludington, Mich.
Vice-President	W. T. Culver	Ludington, Mich.
Secretary	R. L. Stearns	Ludington, Mich.
Treasurer	J. I. Burns	Ludington, Mich.
Auditor	W. A. Spencer	Ludington, Mich.
General Manager	A. J. Russell	Ludington, Mich.

MANISTEE & NORTHEASTERN RAILROAD COMPANY.

Organized January 7, 1887, under the Laws of Michigan, Howell's Annotated Statutes, Chapter 91.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Edward Buckley	Manistee, Mich	June 13, 1917.
P. R. L. Carl	Manistee, Mich	
F. A. Mitchell	Manistee, Mich	
C. F. Kuehl	Manistee, Mich	
W. H. Nuttall	Manistee, Mich	
J. A. Rademaker	Manistee, Mich	
C. F. Ruggles	Manistee, Mich	

OFFICERS.

Title.	Name.	Official address.
President	Edward Buckley	Manistee, Mich.
First Vice-President	P. R. L. Carl	Manistee, Mich.
Second Vice-President	F. A. Mitchell	Manistee, Mich.
Secretary	F. A. Mitchell	Manistee, Mich.
Treasurer	P. R. L. Carl	Manistee, Mich.
General Counsel	Charles M. Wilson	Grand Rapids, Mich.
Auditor	C. F. Kuehl	Manistee, Mich.
General Manager	P. R. L. Carl	Manistee, Mich.
Chief Engineer	W. D. Manchester	Manistee, Mich.
General Superintendent	E. H. O'Neil	Manistee, Mich.
Mechanical Superintendent	W. H. Nuttall	Manistee, Mich.

MANISTIQUE & LAKE SUPERIOR RAILROAD COMPANY.

Organized July 21, 1909, under the Laws of the State of Michigan.

Controlled by Ann Arbor R. R. Co., by ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
A. W. Towsley	Toledo, Ohio	Sept. 16, 1917.
J. S. Bache	New York, N. Y	
Newman Erb	New York, N. Y	
W. J. Wollman	New York, N. Y	

OFFICERS.

Title.	Name.	Official address.
President	A. W. Towsley	Toledo, Ohio.
Secretary	H. B. Blanchard	New York, N. Y.
Treasurer	H. B. Blanchard	New York, N. Y.
Auditor	Jos. Goldbaum	Toledo, Ohio.
Assistant Auditor	C. H. Cox	Toledo, Ohio.
General Manager	A. W. Towsley	Toledo, Ohio.
General Superintendent	B. A. Craver	Manistique, Mich.
Traffic Manager		
Mechanical Superintendent	J. E. Osmer	Owosso, Mich.

THE MICHIGAN CENTRAL RAILROAD COMPANY.

Organized March 28, 1846, under General Railroad Laws of the State of Michigan.

Controlled by New York Central and Hudson River Railroad Co., by stock ownership.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
William K. Vanderbilt	New York, N. Y.	May 3, 1917.
Frederick W. Vanderbilt	New York, N. Y.	
Henry B. Ledyard	Detroit, Michigan	
Alfred H. Smith	New York, N. Y.	
Harold S. Vanderbilt	New York, N. Y.	
Chauncey M. Depew	New York, N. Y.	
William Rockefeller	New York, N. Y.	
Horace E. Andrews	New York, N. Y.	
Wm. H. Newman	New York, N. Y.	
George F. Baker	New York, N. Y.	
William K. Vanderbilt, Jr.	New York, N. Y.	
Marvin Hughitt	Chicago, Ill.	
Robert S. Lovett	New York, N. Y.	

OFFICERS.

Title.	Name.	Official address.
Chairman of Board	Henry B. Ledyard	Detroit, Mich.
President	Alfred H. Smith	New York, N. Y.
Vice-President	J. Carstensen	New York, N. Y.
Vice-President	W. K. Vanderbilt, Jr	New York, N. Y.
Vice-President	A. T. Hardin	New York, N. Y.
Vice-President	A. H. Harris	New York, N. Y.
Vice-President	C. F. Daly	New York, N. Y.
Vice-President and General Counsel	Henry Russell	Detroit, Mich.
Secretary	D. W. Pardee	New York, N. Y.
Treasurer	M. S. Barger	New York, N. Y.
General Solicitor	Clyde Brown	New York, N. Y.
Auditor	F. O. Waldo	Detroit, Mich.
General Manager	E. D. Bronner	Detroit, Mich.
Chief Engineer	G. H. Webb	Detroit, Mich.
General Superintendent	Henry Shearer	Detroit, Mich.
General Passenger Agent		
General Freight Agent		
Real Estate and Tax Agent	William Hutchinson	Detroit, Mich.
Mechanical Superintendent, Locomotive	Walter H. Flynn	Detroit, Mich.
Mechanical Superintendent, Car	Thos. J. Burns	Detroit, Mich.

BATTLE CREEK & STURGIS RAILWAY COMPANY.

Organized November 14, 1889, General Railroad Laws of Michigan.

Controlled by the Michigan Central Railroad Company through stock ownership.

Railroad property operated by Mich. Cent. R. R. and N. Y. Cent. R. R. Companies.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Henry B. Ledyard	Detroit, Mich.	June 6, 1917.
William H. Newman	New York, N. Y.	June 6, 1917.
Alfred H. Smith	New York, N. Y.	June 6, 1917.
Henry Russell	Detroit, Mich.	June 6, 1917.
Frank O. Waldo	Detroit, Mich.	June 6, 1917.
E. D. Bronner	Detroit, Mich.	June 6, 1917.
E. C. Nichols	Battle Creek, Mich.	June 6, 1917.

OFFICERS.

Title.	Name.	Official address.
President	Alfred H. Smith	New York, N. Y.
Vice-President	Henry B. Ledyard	Detroit, Mich.
Secretary	Dwight W. Pardee	New York, N. Y.
Assistant Secretary	Frank O. Waldo	Detroit, Mich.
Treasurer	Milton S. Barger	New York, N. Y.

CANADA SOUTHERN BRIDGE COMPANY.

Organized August 20, 1873, by consolidation, under Laws of Dominion of Canada and the State of Michigan.

Controlled by the Canada Southern Railway Company through stock ownership.

Road operated by Michigan Central Railroad Company.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
William K. Vanderbilt	New York, N. Y.	June 7, 1917.
Frederick W. Vanderbilt	New York, N. Y.	June 7, 1917.
Chauncey M. Depew	New York, N. Y.	June 7, 1917.
William H. Newman	New York, N. Y.	June 7, 1917.
Henry B. Ledyard	Detroit, Mich.	June 7, 1917.
Edward A. Wicks	New York, N. Y.	June 7, 1917.
Joseph E. Brown	New York, N. Y.	June 7, 1917.
Alfred H. Smith	New York, N. Y.	June 7, 1917.
Wm. K. Vanderbilt, Jr	New York, N. Y.	June 7, 1917.

OFFICERS.

Title.	Name.	Official address.
President	Alfred H. Smith	New York, N. Y.
Vice-President	Henry B. Ledyard	Detroit, Mich.
Secretary	D. W. Pardee	New York, N. Y.
Treasurer	Milton S. Barger	New York, N. Y.

DETROIT MANUFACTURERS' RAILROAD.

Organized January 27, 1902, under the General Railroad Laws of Michigan.

Controlled by the Michigan Central Railroad Company through stock ownership.

Road operated by Michigan Central Railroad Company.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Henry Russel	Detroit, Mich.	January 11, 1917.
H. Ledyard	Detroit, Mich.	
H. M. Campbell	Detroit, Mich.	
P. H. McMillan	Detroit, Mich.	
M. B. Mills	Detroit, Mich.	
W. T. Barbour	Detroit, Mich.	
Percy J. Farrell	Detroit, Mich.	

OFFICERS.

Title.	Name.	Official address.
President	Henry Russell	Detroit, Mich.
Vice-President	W. T. Barbour	Detroit, Mich.
Secretary	Percy J. Farrell	Detroit, Mich.
Treasurer	P. H. McMillan	Detroit, Mich.
Assistant Treasurer	James R. Coulter	Detroit, Mich.

DETROIT RIVER TUNNEL COMPANY.

Organized August 15, 1905, by consolidation under the Laws of Michigan and Dominion of Canada.

Controlled by the Michigan Central Railroad Company through stock ownership.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
William K. Vanderbilt	New York, N. Y.	May 3, 1917.
Fred'k W. Vanderbilt	New York, N. Y.	
Alfred H. Smith	New York, N. Y.	
William H. Newman	New York, N. Y.	
William K. Vanderbilt, Jr	New York, N. Y.	
Henry B. Ledyard	Detroit, Mich.	
Harold S. Vanderbilt	New York, N. Y.	
William P. Torrance	Toronto, Ont.	
Henry Russel	Detroit, Mich.	
George F. Baker	New York, N. Y.	
Robert S. Lovett	New York, N. Y.	

OFFICERS.

Title.	Name.	Official address.
President	Alfred H. Smith	New York, N. Y.
First Vice-President	Henry B. Ledyard	Detroit, Mich.
Second Vice-President	William K. Vanderbilt, Jr	New York, N. Y.
Third Vice-President	Albert H. Harris	New York, N. Y.
Secretary	Dwight W. Pardee	New York, N. Y.
Treasurer	Milton S. Barger	New York, N. Y.
Auditor	Frank O. Waldo	Detroit, Mich.
Chief Engineer	G. H. Webb	Detroit, Mich.

LANSING MANUFACTURERS' RAILROAD.

Organized July 25, 1904, under the General Railroad Laws of the State of Michigan.

Road operated by Mich. Cent. R. R. Co. and N. Y. Cent. R. R. Co., jointly.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
J. H. Seager	Lansing, Mich	January 31, 1917.
J. B. Seager	Lansing, Mich	
S. F. Seager	Lansing, Mich	
S. L. Smith	Detroit, Mich	
F. L. Smith	Detroit, Mich	
A. Smith	Detroit, Mich	

OFFICERS.

Title.	Name.	Official address.
President	J. H. Seager	Lansing, Michigan.
Vice-President	F. L. Smith	Detroit, Michigan.
Secretary and Treasurer	S. F. Seager	Lansing, Michigan.
General Superintendent	O. A. Jenison	Lansing, Michigan.
Assistant Secretary and Treasurer	A. W. Brechting	Detroit, Michigan.

LANSING TRANSIT RAILWAY COMPANY.

Organized August 31, 1886, under the Laws of the State of Michigan.

Controlled by the Michigan Central Railroad Company and the New York Central Railroad Company by ownership of stock.

Road operated by Michigan Central Railroad Company.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
W. H. Newman	New York, N. Y	September 1, 1917.
H. B. Ledyard	Detroit, Mich	
Alfred H. Smith	New York, N. Y	
Dewitt C. Moon	Cleveland, Ohio	
Henry Russell	Detroit, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	Alfred H. Smith	New York, N. Y.
Vice-President	H. B. Ledyard	Detroit, Michigan.
Secretary	D. W. Pardee	New York, N. Y.
Assistant Secretary	F. O. Waldo	Detroit, Michigan.
Treasurer	Milton S. Barger	New York, N. Y.

ST. CLAIR & WESTERN RAILROAD COMPANY.

Organized September 25, 1906, under the General Railroad Laws of the State of Michigan.

Controlled by the Canada Southern Ry. Co., by ownership of stock.

Road operated by Michigan Central Railroad Company.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Alfred H. Smith	New York, N. Y.	June 7, 1917.
W. H. Newman	New York, N. Y.	
H. B. Ledyard	Detroit, Mich.	
H. Russell	Detroit, Mich.	
F. O. Waldo	Detroit, Mich.	

OFFICERS.

Title.	Name.	Official address.
President	Alfred H. Smith	New York, N. Y.
Vice-President	H. B. Ledyard	Detroit, Mich.
Secretary	D. W. Pardee	New York, N. Y.
Assistant Secretary	F. O. Waldo	Detroit, Mich.
Treasurer	M. S. Barger	New York, N. Y.

ST. JOSEPH, SOUTH BEND & SOUTHERN RAILROAD CO.

Organized January 20, 1899, under the Laws of the State of Michigan and Indiana.

Road operated by Michigan Central Railroad Company.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Moses L. Scudder	New York, N. Y.	Until successors are elected.
Colgate Hoyt	New York, N. Y.	
Morgan G. Bulkeley	Hartford, Conn.	
Sylvester C. Dunham	Hartford, Conn.	
James S. Farlee	New York, N. Y.	

OFFICERS.

Title.	Name.	Official address.
President	Moses L. Scudder	New York, N. Y.
First Vice-President	Colgate Hoyt	New York, N. Y.
Secretary	Philip J. Scudder	New York, N. Y.
Treasurer	Frank H. Carter	New York, N. Y.
Attorney or General Counsel	Adrian H. Joline	New York, N. Y.

MICHIGAN EAST & WEST RAILWAY COMPANY.

Organized January 20, 1914, under Laws of the State of Michigan, being a reorganization of the Manistee & Grand Rapids Railroad Company.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
F. P. Leffingwell	Chicago, Ill.	First Wednesday of May, 1917.
David G. Joyce	Chicago, Ill.	
James Stanley Joyce	Chicago, Ill.	
Jacob Kleinhans	Grand Rapids, Mich.	
Chas. H. Morey	Manistee, Mich.	

OFFICERS.

Title.	Name.	Official address.
President	James Stanley Joyce	Chicago, Ill.
Vice-President	Chas. H. Morey	Manistee, Mich.
Secretary	Jacob Kleinhans	Grand Rapids, Mich.
Treasurer	F. P. Leffingwell	Chicago, Ill.
Auditor	Geo. A. Johnson	Manistee, Mich.
General Superintendent	G. W. Anderson	Filer City, Mich.
General Freight Agent	Geo. A. Johnson	Manistee, Mich.
General Passenger Agent	Glen A. Johnson	Manistee, Mich.

MINERAL RANGE RAILROAD COMPANY.

Organized November 3, 1871, under the General Railway Laws of the State of Michigan.

Controlled by the Duluth, South Shore & Atlantic Railway Company through ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
A. B. Eldredge	Marquette, Mich.	September 19, 1917.
A. E. Delf	Marquette, Mich.	
P. W. Phelps	Marquette, Mich.	
W. W. Walker	Duluth, Minn.	
James McNaughton	Calumet, Mich.	
J. T. Reeder	Calumet, Mich.	
William Veale	Calumet, Mich.	

OFFICERS.

Title.	Name.	Official address.
President and General Counsel	A. B. Eldredge	Marquette, Michigan.
Vice-President and General Manager	W. W. Walker	Duluth, Minn.
Vice-President	James McNaughton	Calumet, Michigan.
Secretary	A. E. Miller	Marquette, Michigan.
Acting Treasurer	W. J. Ellison	Marquette, Michigan.
Comptroller	A. E. Delf	Marquette, Michigan.
Auditor	F. W. Kemp	Marquette, Michigan.
Chief Engineer	.....	.....
General Superintendent	C. E. Lytle	Marquette, Michigan.
Superintendent Motive Power	J. J. Conolly	Marquette, Michigan.
General Land and Tax Agent	A. E. Delf	Marquette, Michigan.
Assistant to General Manager	E. R. Lewis	Duluth, Minn.
General Counsel	A. B. Eldredge	Marquette, Mich.

MINNEAPOLIS, ST. PAUL & SAULT STE. MARIE RAILWAY COMPANY.

Organized June 11, 1888, consolidated under General Laws of Michigan, Minnesota and the Territory of Dakota.

Controlled by the Canadian Pacific Railway Company through ownership of majority of capital stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. Pennington	Minneapolis, Minn	September 18, 1917
Chas. S. Pillsbury	Minneapolis, Minn	
Horace Lowry	Minneapolis, Minn	
A. H. Bright	Minneapolis, Minn	
W. L. Martin	Minneapolis, Minn	
G. R. Newell	Minneapolis, Minn	
E. A. Young	St. Paul, Minn	
Sir T. G. Shaughnessy	Montreal, Quebec	
R. B. Angus	Montreal, Quebec	
J. G. Ogden	Montreal, Quebec	
O. C. Wyman	Minneapolis, Minn	

OFFICERS.

Title.	Name.	Official address.
President	E. Pennington	Minneapolis, Minn.
Vice-President	W. L. Martin	Minneapolis, Minn.
Secretary	Geo. W. Webster	Minneapolis, Minn.
Treasurer	C. F. Clement	Minneapolis, Minn.
General Solicitor	H. B. Dike	Minneapolis, Minn.
General Counsel	A. H. Bright	Minneapolis, Minn.
Comptroller	C. W. Gardner	Minneapolis, Minn.
Assistant Comptroller	A. R. Marshall	Minneapolis, Minn.
Chief Engineer	C. N. Kalk	Minneapolis, Minn.
General Manager	G. R. Huntington	Minneapolis, Minn.
Mechanical Superintendent	T. A. Foque	Minneapolis, Minn.
General Land and Tax Agent	W. H. Killen	Minneapolis, Minn.

GOGEBIC & MONTREAL RIVER RAILROAD COMPANY.

Organized December 27, 1883, under laws of the State of Michigan. Road operated by Minneapolis, St. Paul & Sault Ste. Marie Railway Company, under lease.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. Pennington	Minneapolis, Minn	Until successors are appointed.
A. H. Bright	Minneapolis, Minn	
C. W. Gardner	Minneapolid, Minn	
E. F. Potter	Minneapolis, Minn	
G. W. Webster	Minneapolis, Minn	

OFFICERS.

Title.	Name.	Official address.
President	E. Pennington	Minneapolis, Minn.
Vice-President	A. H. Bright	Minneapolis, Minn.
Secretary	G. W. Webster	Minneapolis, Minn.
Treasurer	C. F. Clement	Minneapolis, Minn.
Comptroller	C. W. Gardner	Minneapolis, Minn.

MUNISING, MARQUETTE & SOUTHEASTERN RAILWAY COMPANY.

Organized July 1, 1911, under the General Railroad Laws of the State of Michigan.

Controlled by the Cleveland Cliffs Iron Company by ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
W. G. Mather	Cleveland, Ohio	February 14, 1917.
J. H. Hoyt	Cleveland, Ohio	
R. C. Mann	Cleveland, Ohio	
M. M. Duncan	Ishpeming, Michigan	
H. R. Harris	Marquette, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	W.G. Mather	Cleveland, Ohio.
Vice-President	H. R. Harris	Marquette, Mich.
Secretary-Treasurer	R. C. Mann	Cleveland, Ohio.
General Solicitor	W. P. Belden	Ispheming, Mich.
Assistant Secretary		
Auditor	H. A. St. John	Marquette, Mich.
General Manager	H. R. Harris	Marquette, Mich.
Chief Engineer	R. C. Young	Marquette, Mich.
Superintendent	W. F. Morgan	Marquette, Mich.
General Freight Agent		
General Passenger Agent		
General Land and Tax Agent	C. V. R. Townsend	Negaunee, Mich.
Mechanical Superintendent	W. H. Richmond	Marquette, Mich.

THE NEW YORK CENTRAL RAILROAD COMPANY.

Organized December 23, 1914, under General Railroad Laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
W. K. Vanderbilt	New York, N. Y.	January 24, 1917.
C. M. Depew	New York, N. Y.	
F. W. Vanderbilt	New York, N. Y.	
Wm. Rockefeller	New York, N. Y.	
Horace E. Andrews	New York, N. Y.	
George F. Baker	New York, N. Y.	
W. K. Vanderbilt, Jr	New York, N. Y.	
Alfred H. Smith	New York, N. Y.	
Ogden Mills	New York, N. Y.	
Robert S. Lovett	New York, N. Y.	
William H. Newman	New York, N. Y.	
H. S. Vanderbilt	New York, N. Y.	
Marvin Hughitt	Chicago, Ill.	
Leonard J. Hackney	Cincinnati, Ohio	
Frank J. Jerome	Cleveland, Ohio	

OFFICERS.

Title.	Name.	Official address.
Chairman of Board	Chauncey M. Depew	New York, N. Y.
President	Alfred H. Smith	Grand Central Ter., N. Y.
Vice-President	W. K. Vanderbilt, Jr	Grand Central Ter., N. Y.
Vice-President	John Carstensen	Grand Central Ter., N. Y.
Vice-President	Ira A. Place	Grand Central Ter., N. Y.
Vice-President	Charles F. Daly	Grand Central Ter., N. Y.
Vice-President	Albert H. Harris	Grand Central Ter., N. Y.
Vice-President	P. E. Crowley	Grand Central Ter., N. Y.
Vice-President	Abraham T. Hardin	New York, N. Y.
Vice-President	Howard M. Biscoe	Boston, Mass.
Secretary	Dwight W. Pardee	Grand Central Ter., N. Y.
Treasurer	Edward L. Rossiter	Grand Central Ter., N. Y.
General Counsel	Albert H. Harris	Grand Central Ter., N. Y.
General Solicitor	Clyde Brown	Grand Central Ter., N. Y.
General Auditor	Richard A. White	Grand Central Ter., N. Y.
General Manager	William J. Fripp	Albany, N. Y.
General Manager	D. C. Moon	Cleveland, Ohio.
Chief Engineer	Geo. W. Kittredge	Grand Central Ter., N. Y.
Chief Engineer	F. B. Freeman	Boston, Mass.
Chief Engineer	Geo. C. Cleveland	Cleveland, Ohio.
General Superintendent	E. J. Wright	Albany, N. Y.
General Superintendent	C. Christie	Buffalo, N. Y.
General Superintendent	Miles Bronson	New York, N. Y.
General Superintendent	F. M. Smith	Cleveland, Ohio.
General Superintendent	F. H. Wilson	Chicago, Ill.
General Superintendent	J. L. Truden	Boston, Mass.
General Land and Tax Agent	O. G. Getzen-Danner	New York, N. Y.
General Land and Tax Agent	H. D. Howe	Chicago, Ill.

DETROIT, HILLSDALE & SOUTHWESTERN RAILROAD CO.

Organized January 30, 1875, under the Laws of the State of Michigan.

Railroad operated by New York Central Railroad Co.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Edwin S. Marston	New York, N. Y.	January 1, 1918.
Samuel Sloan	New York, N. Y.	
Moses Taylor	New York, N. Y.	
Edgar Palmer	New York, N. Y.	
Augustus V. Heely	New York, N. Y.	
F. Geller	New York, N. Y.	
Effingham Maynard	New York, N. Y.	
Cornelius R. Agnew	New York, N. Y.	
William Z. Cardozo	New York, N. Y.	

OFFICERS.

Title.	Name.	Official address.
President	Edwin S. Marston	New York, N. Y.
Vice-President	Samuel Sloan	New York, N. Y.
Secretary and Treasurer	Augustus V. Heely	New York, N. Y.
Assistant Secretary and Assistant Treasurer	Cornelius R. Agnew	New York, N. Y.

DETROIT, TOLEDO & MILWAUKEE RAILROAD COMPANY.

Organized July 1, 1897, under the Laws of the State of Michigan.

Controlled by the New York Central Railroad Company and the Michigan Central Railroad Company through the ownership of stock.

Operated by Michigan Central Railroad Company and New York Central Railroad Company.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
W. H. Newman	New York, N. Y.	June 7, 1917.
W. K. Vanderbilt	New York, N. Y.	
W. K. Vanderbilt, Jr	New York, N. Y.	
H. B. Ledyard	Detroit, Michigan	
H. Russell	Detroit, Michigan	
H. S. Vanderbilt	New York, N. Y.	
A. H. Smith	New York, N. Y.	

OFFICERS.

Title.	Name.	Official address.
President	A. H. Smith	New York, N. Y.
First Vice-President	W. K. Vanderbilt	New York, N. Y.
Secretary	D. W. Pardee	New York, N. Y.
Treasurer	M. S. Barger	New York, N. Y.
Auditor	G. M. Glasier	Cleveland, Ohio.
General Manager	A. S. Ingalls	Cleveland, Ohio.

THE ERIE & KALAMAZOO RAILROAD COMPANY.

Organized April 22, 1833, under Laws of the State of Michigan.

Operated by New York Central Railroad Company under lease.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Chas. Elliot Warren	60 E. 42nd St., New York City	October 1, 1917.
James. A. Macdonald	26 Exchange St., New York City	
Wm. A. Simonson	55 Wall St., New York City	
Wm. J. Murphy	60 E. 42nd St., New York City	
Arthur Ryle	225 Fourth Ave., New York City	
Wm. F. Keep	112 W. Adams St., Chicago, Ill	
David B. Marshall	Sheridan, Wyoming	
Geo. W. Patterson	Ann Arbor, Michigan	
E. C. Converse	14 Wall St., New York City	

OFFICERS.

Title.	Name.	Official address.
President		
Vice-President	Chas. Elliot Warren	60 E. 42nd St., New York.
Secretary	Herman Young	60 E. 42nd St., New York.
Treasurer	Chas. Elliot Warren	60 E. 42nd St., New York.

FORT WAYNE & JACKSON RAILROAD COMPANY.

Organized December 27, 1879, under the Laws of the States of Michigan and Indiana.

Railroad operated by New York Central Railroad Company.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Edwin S. Marston	New York, N. Y	January 25, 1918.
S. Sloan	New York, N. Y	
E. Palmer	New York, N. Y	
John J. Pierrepont	New York, N. Y	
A. V. Heely	New York, N. Y	
H. Bromley	Cleveland, Ohio	
B. B. Sloan	New York, N. Y	
W. B. Cardozo	New York, N. Y	
H. B. Joy	Detroit, Michigan	
Cornelius R. Agnew	New York, N. Y	

OFFICERS.

Title.	Name.	Official address.
President	E. S. Marston	New York, N. Y.
Vice-President	Samuel Sloan	New York, N. Y.
Secretary and Treasurer	Augustus V. Heely	New York, N. Y.
Assistant Secretary and Assistant Treasurer	William Cardozo	New York, N. Y.

KALAMAZOO, ALLEGAN & GRAND RAPIDS RAILROAD CO.

Organized June 3, 1868, under Michigan Laws, Act of February 12, 1855, And Acts supplementary thereto.

Railroad operated by New York Central Railroad Company.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
J. H. Wade	Cleveland, Ohio	Until successors are appointed.
O. G. Getzen-Danner	New York, N. Y	
H. B. Corner	Cleveland, Ohio	
R. A. Harmon	Cleveland, Ohio	
Douglas Perkins	Cleveland, Ohio	
J. R. Nutt	Cleveland, Ohio	
W. B. Sanders	Cleveland, Ohio	
H. P. Eells	Cleveland, Ohio	
R. M. Huddleston	Cleveland, Ohio	

OFFICERS.

Title.	Name.	Official address.
President	J. H. Wade	Cleveland, Ohio.
Vice-President	J. R. Nutt	Cleveland, Ohio.
Secretary	O. G. Getzen-Danner	New York, N. Y.
Treasurer	H. B. Corner	Cleveland, Ohio.
Auditor	G. M. Glazier	Cleveland, Ohio.
General Manager	A. S. Ingalls	Cleveland, Ohio.

ONTONAGON RAILROAD COMPANY.

Organized October 24, 1904, Act 148, Public Acts of 1855.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. A. Hamar	Chassell, Michigan	When successors are appointed
J. H. Bice	Ontonagon, Michigan	
C. H. Worcester	Chassell, Michigan	
Robt. Cousin	Chicago, Ill	
M. F. Worcester	Chassell, Michigan	

OFFICERS.

Title.	Name.	Official address.
President and Treasurer	C. H. Worcester	Chassell, Michigan.
First Vice-President	E. A. Hamar	Chassell, Michigan.
Secretary	T. A. Green	Ontonagon, Michigan.
General Counsel	H. S. Green	Milwaukee, Wis.
Auditor	R. Cousin	Chicago, Ill.
General Manager	J. H. Bice	Ontonagon, Michigan.
General Freight Agent	G. H. Bronoel	Ontonagon, Michigan.

PERE MARQUETTE RAILROAD COMPANY.

Dudley E. Waters and Paul H. King, Receivers.

Organized December 4, 1907, under the General Railroad Laws of Michigan and Indiana.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Frank W. Blair	Detroit, Mich.	October 3, 1917.
S. M. Felton	Chicago, Ill.	
Wm. L. Clements	Bay City, Mich.	
B. F. Davis	Lansing, Mich.	
Wm. A. Garrett	Cheyney, Pa.	
James B. Peter	Saginaw, Mich.	
Wm. R. Roach	Hart, Mich.	
S. L. Merriam	Detroit, Mich.	
F. H. Prince	Boston, Mass.	
William H. Porter	New York, N. Y.	
A. E. Sleeper	Bad Axe, Mich.	
F. W. Stevens	New York, N. Y.	
E. V. R. Thayer	Boston, Mass.	
Dudley E. Waters	Grand Rapids, Mich.	
(One vacancy)		

OFFICERS.

Title.	Name.	Official address.
Receivers	Dudley E. Waters	Grand Rapids, Mich.
	Paul H. King	Detroit, Mich.
President	Samuel M. Felton	Chicago, Ill.
Vice-President	J. L. Cramer	Detroit, Mich.
Vice-President	George C. Conn	Detroit, Mich.
Secretary	E. N. Weller	Detroit, Mich.
Treasurer	E. N. Weller	Detroit, Mich.
General Solicitor	S. L. Merriam	Detroit, Mich.
General Attorneys	Parker, Shields & Brown	Detroit, Mich.
Comptroller	J. L. Cramer	Detroit, Mich.
Auditor	C. S. Sikes	Detroit, Mich.
General Manager	Frank H. Alfred	Detroit, Mich.
Chief Engineer	A. L. Grandy	Detroit, Mich.
Freight Traffic Manager		
General Freight Agent		
General Passenger Agent		
Land and Tax Agent	W. S. Blake	Detroit, Mich.
Superintendent Motive Power	J. J. Waters	Detroit, Mich.

PORT HURON SOUTHERN RAILROAD COMPANY.

Organized January 25, 1900, Chapter 164 of the Compiled Laws of Michigan, 1897.

DIRECTORS.

Name.	Postoffice Address.	Expiration of term.
Thos. L. Handy	Bay City, Michigan	November 1, 1917.
Chas. W. Handy	Bay City, Michigan	November 1, 1917.
Geo. W. Handy	Bay City, Michigan	November 1, 1917.
F. S. Handy	Bay City, Michigan	November 1, 1917.

OFFICERS.

Title.	Name.	Official address.
President	T. L. Handy	Bay City, Mich.
Vice-President	C. W. Handy	Bay City, Mich.
Secretary	F. S. Handy	Bay City, Mich.
Treasurer	G. W. Handy	Bay City, Mich.
Auditor	C. D. Stewart	Port Huron, Mich.
General Manager	T. L. Handy	Bay City, Mich.
General Freight Agent	C. S. Ruttle	Bay City, Mich.

QUINCY & TORCH LAKE RAILROAD.

Organized June, 1888, under the Laws of the State of Michigan.

Road operated by Quincy Mining Co.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
William R. Todd	New York, N. Y.	June, 1917.
Chas. L. Lawton	Hancock, Michigan	
F. J. McLain	Hancock, Michigan	
C. D. Hanchette	Hancock, Michigan	
S. L. Lawton	Hancock, Michigan	
Geo. S. North	Hancock, Michigan	
Chas. Kendall	Hancock, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	Wm. R. Todd	32 Broadway, New York.
First Vice-President	Chas. L. Lawton	Hancock, Michigan.
Secretary and Treasurer	F. J. McLain	Hancock, Michigan.
Auditor	F. J. McLain	Hancock, Michigan.
General Manager	Chas. L. Lawton	Hancock, Michigan.

SAINTE MARIE UNION DEPOT COMPANY.

Organized March 12, 1900, under the Laws of the State of Michigan

Controlled by the Duluth, South Shore & Atlantic Railway Company and the Minneapolis, St. Paul & Sault Ste. Marie Railway Company by ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
W. W. Walker	Duluth, Minn	September 19, 1917.
A. E. Delf	Marquette, Michigan	
E. Pennington	Minneapolis, Minn	
F. W. Kemp	Marquette, Michigan	
C. W. Gardner	Minneapolis, Minn	

OFFICERS.

Title.	Name.	Official address.
President	W. W. Walker	Duluth, Minn.
First Vice-President	E. Pennington	Minneapolis, Minn.
Secretary	A. E. Miller	Marquette, Michigan.
Treasurer (Acting)	W. J. Ellison	Marquette, Michigan.
Comptroller	A. E. Delf	Marquette, Michigan.

SAULT STE. MARIE BRIDGE COMPANY.

Organized March 17, 1887, by consolidation of companies organized under the Laws of the State of Michigan and Dominion of Canada.

Road operated by Duluth, South Shore & Atlantic Ry. Co. and Canadian Pacific Railway Co.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Sir Thomas G. Shaughnessy	Montreal, Canada	June 6, 1917.
Edmund Pennington	Minneapolis, Minn	
Geo. H. Church	New York, N. Y	
James O. Bloss	New York, N. Y	
R. Y. Hebden	New York, N. Y	
F. R. Perry	New York, N. Y	
A. B. Eldredge	Marquette, Mich	

OFFICERS.

Title.	Name.	Official address.
President	Sir Thos. G. Shaughnessy	Montreal, Canada.
Vice-President	James O. Bloss	New York, N. Y.
Secretary and Treasurer	Geo. H. Church	55 Wall St., New York, N. Y.
General Superintendent	W. G. Miller	Sault Ste. Marie, Mich.

TOLEDO-DETROIT RAILROAD COMPANY.

Organized September 21, 1911, under Act 148 of 1855, Michigan, and amendments thereto; chapter 167 C. L. of Michigan, 1897, and amendments thereto.

Operated separately by Detroit, Toledo & Ironton Railroad Company.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Alex. T. Groesbeck	Detroit, Michigan	April 28, 1916.
Isaac Applebaum	Detroit, Michigan	April 28, 1916.
John D. Hagerty	Detroit, Michigan	March 1, 1917.
Geo. E. Fisher	Detroit, Michigan	April 28, 1916.
C. H. Burkhalter	Toledo, Ohio	April 28, 1916.

OFFICERS.

Title.	Name.	Official address.
President	G. E. Fisher	Detroit, Michigan.
Acting Auditor	A. R. Meacham	Detroit, Michigan.

TRAVERSE CITY, LEELANAU & MANISTIQUE RAILWAY COMPANY.

Organized September 14, 1908, under the Laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Henry Russell	Detroit, Michigan, care M. C. R. R.	When successors are elected.
Chas. L. Palms	Detroit, Michigan, Ford Building	
Henry Ledyard	Detroit, Michigan	
John H. P. Hughart	Grand Rapids, Michigan	
John N. Stalker	Detroit, Mich., Union Trust Bldg	

OFFICERS

Title.	Name.	Official address.
President	Henry Russell	Detroit, Michigan.
Vice-President	John H. P. Hughart	Grand Rapids, Michigan.
Treasurer	Henry Ledyard	Detroit, Michigan.
Secretary	John N. Stalker	Detroit, Mich., care Un. Tr. Co.
Auditor	C. D. Parkes	Traverse City, Mich.
General Manager	H. C. Stuart	Traverse City, Mich.

THE WABASH RAILWAY COMPANY.

Organized October 22, 1915, under the Laws of the State of Indiana.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Robert Goelet	Newport, R. I.	October 9, 1917.
J. Leonard Replogle	New York	
Edward F. Kearney	St. Louis, Mo.	
Winslow S. Pierce	New York	
William A. Jamison	New York	
William V. Stuart	Lafayette, Ind.	
Henry Rogers Winthrop	New York	
Geo. W. Davidson	New York	
J. Horace Harding	New York	
Alvin W. Krech	New York	
H. K. Pomroy	New York	
Guy E. Tripp	New York	
William H. Williams	New York	
Henry B. Joy	Detroit, Michigan	
John N. Willys	Toledo, Ohio	

OFFICERS.

Title.	Name.	Official address.
President	E. F. Kearney	St. Louis, Mo.
Vice-President in charge of traffic	W. C. Maxwell	St. Louis, Mo.
Vice-President in charge operatives	J. E. Tussig	St. Louis, Mo.
Vice-President and Secretary	J. C. Otteson	New York, N. Y.
Vice-President	H. R. Winthrop	New York, N. Y.
Treasurer	F. L. O'Leary	St. Louis, Mo.
General Counsel	Winslow S. Pierce	New York, N. Y.
Vice-President and General Solicitor	J. L. Minnis	St. Louis, Mo.
Comptroller	L. G. Scott	St. Louis, Mo.
General Auditor and Assistant Secretary	T. J. Tobin	St. Louis, Mo.
General Manager	S. E. Cotter	St. Louis, Mo.
Chief Engineer	A. O. Cunningham	St. Louis, Mo.
General Tax and Claim Agent	B. C. Winston	St. Louis, Mo.

WISCONSIN & MICHIGAN RAILWAY COMPANY.

S. N. Harrison, Receiver.

Organized October 26, 1893, under the Laws of the State of Wisconsin.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
L. E. Harding	Chicago, Illinois	When successors are elected.
E. Marsch	Chicago, Illinois	
N. Marsch	Chicago, Illinois	
J. Marsch	Chicago, Illinois	

OFFICERS.

Title.	Name.	Official address.
Receiver	S. N. Harrison	Peshtigo, Wis.
First Vice-President	Emil Marsch	Chicago, Illinois.
Secretary	John Marsch	Chicago, Illinois.
Treasurer	Nicholas Marsch	Chicago, Illinois.
Auditor	M. F. Schults	Peshtigo, Wis.
Superintendent	W. H. Wright	Peshtigo, Wis.

WYANDOTTE SOUTHERN RAILROAD COMPANY.

Organized October 8, 1901, under the Laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Joseph Moore, Jr	Philadelphia, Pa	August 16, 1917.
Y. F. Hardcastle	Wyandotte, Michigan	
Arthur E. Rice	Philadelphia, Pa	
Frank C. Frants	Wyandotte, Michigan	
John C. Donnelly	Detroit, Michigan	
W. S. Smith	Wyandotte, Michigan	
I. G. Conklin	Detroit, Michigan	
Howard P. Wells	Wyandotte, Michigan	
T. W. Sparks	Philadelphia	

OFFICERS.

Title.	Name.	Official address.
President	Joseph Moore, Jr	Philadelphia, Pa.
Secretary	John C. Donnelly	Detroit, Michigan.
Treasurer	Arthur E. Rice	Philadelphia, Pa.
General Counsel	John C. Donnelly	Detroit, Michigan.
General Superintendent	Y. F. Hardcastle	Wyandotte, Michigan.
Traffic Manager	H. P. Wells	Wyandotte, Michigan.

WYANDOTTE TERMINAL RAILROAD COMPANY.

Organized September 14, 1904, under Laws of the State of Michigan.

Controlled by Michigan Alkali Co., through stock ownership.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
John B. Ford	Detroit, Michigan	January 30, 1917.
E. L. Ford	Detroit, Michigan	
M. R. Bacon	Wyandotte, Michigan	
R. T. Gray	Detroit, Michigan	
W. T. Orr	Wyandotte, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	John B. Ford	Detroit, Michigan.
First Vice-President	R. T. Gray	Detroit, Michigan.
Secretary	E. L. Ford	Detroit, Michigan.
Treasurer	E. L. Ford	Detroit, Michigan.
Attorney or General Counsel	R. T. Gray	Detroit, Michigan.
Auditor	John M. Griffith	Wyandotte, Michigan.
General Manager	John B. Ford	Detroit, Michigan.
Chief Engineer	Geo. B. Palmer	Wyandotte, Michigan.
General Superintendent	W. T. Orr	Detroit, Michigan.

DIRECTORS AND OFFICERS OF ELECTRIC RAILWAY COMPANIES DOING BUSINESS IN MICHIGAN FOR THE YEAR ENDING DECEMBER 31, 1916.

BENTON HARBOR-ST. JOE RAILWAY & LIGHT COMPANY.

Organized January 27, 1906, under the Laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
C. K. Minary	Benton Harbor, Mich.	September 15, 1917.
Arthur Peter	Louisville, Ky.	
L. W. Botts	Louisville, Ky.	
Henning Chambers	Louisville, Ky.	
J. D. Stewart	Louisville, Ky.	
Samuel Culbertson	Louisville, Ky.	
H. S. Gray	Benton Harbor, Mich.	

OFFICERS.

Title.	Name.	Official address.
Chairman of Board	C. K. Minary	Benton Harbor, Mich.
President	C. K. Minary	Benton Harbor, Mich.
First Vice-President	Henning Chambers	Louisville, Ky.
Secretary	L. W. Botts	Louisville, Ky.
Treasurer	C. K. Minary	Benton Harbor, Mich.
Attorney	H. S. Gray	Benton Harbor, Mich.
Auditor	Oren A. Small	Benton Harbor, Mich.
General Manager	C. K. Minary	Benton Harbor, Mich.
Chief Engineer	Geo. J. Spaulding	Benton Harbor, Mich.
General Superintendent	W. E. Welcher	Benton Harbor, Mich.
General Freight Agent		
General Passenger Agent		
General Ticket Agent		
Mechanical Superintendent	J. F. Logan	Benton Harbor, Mich.

DETROIT, JACKSON & CHICAGO RAILWAY.

Organized January 14, 1907, under the Laws of the State of Michigan.

Controlled by Detroit United Railway, through stock ownership.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
F. W. Brooks	Detroit, Mich	February 6, 1917.
J. C. Hutchins	Detroit, Mich	
A. F. Edwards	Detroit, Mich	
Irwin Fullerton	Detroit, Mich	
A. E. Peters	Detroit, Mich	

OFFICERS.

Title.	Name.	Official address.
President	F. W. Brooks	Detroit, Michigan.
First Vice-President	Irwin Fullerton	Detroit, Michigan.
Secretary	A. E. Peters	Detroit, Michigan.
Treasurer	A. F. Edwards	Detroit, Michigan.
Auditor		
Assistant Auditor		
General Manager		

DETROIT, MONROE & TOLEDO SHORT LINE RAILWAY.

Organized December 9, 1902, under the Laws of the State of Michigan.

Controlled by Detroit United Railway through stock ownership.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
J. C. Hutchins	Detroit, Mich	September 19, 1917.
F. W. Brooks	Detroit, Mich	
H. V. Catlin	Detroit, Mich	
A. E. Peters	Detroit, Mich	
Irwin Fullerton	Detroit, Mich	
Joseph Bampton	Detroit, Mich	
Thomas M. Patterson	Detroit, Mich	
Allen F. Edwards	Detroit, Mich	
E. W. Moore	Cleveland, Ohio	

OFFICERS.

Title.	Name.	Official address.
President	F. W. Brooks	Detroit, Mich.
First Vice-President	I. Fullerton	Detroit, Mich.
Secretary	A. E. Peters	Detroit, Mich.
Treasurer	A. F. Edwards	Detroit, Mich.

RAPID RAILWAY SYSTEM.

Organized May 17, 1899, under the Laws of the State of New Jersey.

Controlled by Detroit United Railway, through stock ownership.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
J. C. Hutchins	Detroit, Mich	November 25, 1917.
A. F. Edwards	Detroit, Mich	
A. E. Peters	Detroit, Mich	
F. W. Brooks	Detroit, Mich	
Jos. Bampton	Detroit, Mich	
Irwin Fullerton	Detroit, Mich	
Thos. M. Patterson	Detroit, Mich	
H. H. Picking	East Orange, N. J	

OFFICERS.

Title.	Name.	Official address.
President	F. W. Brooks	Detroit, Mich.
First Vice-President	I. Fullerton	Detroit, Mich.
Secretary	A. E. Peters	Detroit, Mich.
Treasurer	A. F. Edwards	Detroit, Mich.
Auditor		
Assistant Auditor		
General Manager		
General Superintendent		
General Freight Agent		
General Passenger Agent		
Land Commissioner		

DETROIT UNITED RAILWAY.

Organized December 28, 1900, under chapter 35, Public Acts of 1867, State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
F. W. Brooks	Detroit, Mich	February 6, 1917.
J. C. Donnely	Detroit, Mich	
A. J. Ferguson	Montreal, Canada	
J. C. Hutchins	Detroit, Mich	
E. W. Moore	Cleveland, Ohio	
Arthur Pack	Detroit, Mich	
A. E. Peters	Detroit, Mich	
Alonzo Potter	New York City	
C. M. Swift	Detroit, Mich	
J. M. Wilson	Montreal, Canada	

OFFICERS.

Title.	Name.	Official address.
President	F. W. Brooks	Detroit, Mich.
Vice-President	E. W. Moore	Cleveland, Ohio.
Vice-President	Arthur Pack	Detroit, Mich.
Vice-President	A. J. Ferguson	Montreal, Que.
Vice-President in charge of purchases		
Secretary	A. E. Peters	Detroit, Mich.
Treasurer	A. F. Edwards	Detroit, Mich.
General Solicitor	Donnelly, Leyster & Munro	Detroit, Mich.
Auditor	Irwin Fullerton	Detroit, Mich.
Assistant Auditor		
General Manager	F. W. Brooks	Detroit, Mich.
General Superintendent	Harry Bullen	Detroit, Mich.
Superintendent of Power		
General Freight Agent		
General Passenger Agent		
Land Commissioner		
General Land and Tax Agent	Robert Oakman	Detroit, Mich.

DETROIT, ALMONT & NORTHERN RAILROAD.

Organized October 6, 1913, under the General Railroad Laws of the State of Michigan.

Operated by Detroit United Railway.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
J. C. Hutchins	Detroit, Mich	February 6, 1917.
F. W. Brooks	Detroit, Mich	
Irwin Fullerton	Detroit, Mich	
Jos. Bampton	Detroit, Mich	
A. E. Peters	Detroit, Mich	

OFFICERS.

Title.	Name.	Official address.
President	F. W. Brooks	Detroit, Mich.
Vice-President	J. C. Hutchins	Detroit, Mich.
Secretary	A. E. Peters	Detroit, Mich.
Treasurer	Irwin Fullerton	Detroit, Mich.

ESCANABA TRACTION COMPANY.

Organized August 3, 1909, under chapter 168, Compiled Laws of Michigan, 1897.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
J. K. Stack	Escanaba, Mich.	January 15, 1917.
J. C. Kirkpatrick	Escanaba, Mich.	
P. L. Utley	Escanaba, Mich.	
M. N. Smith	Escanaba, Mich.	
J. J. Cleary	Escanaba, Mich.	
J. B. Moran	Escanaba, Mich.	
A. Buckheit	Watertown, Wis.	

OFFICERS.

Title.	Name.	Official address.
President	J. K. Stack	Escanaba, Mich.
Vice-President	J. C. Kirkpatrick	Escanaba, Mich.
Secretary	P. L. Utley	Escanaba, Mich.
Treasurer	M. N. Smith	Escanaba, Mich.
Attorney	T. J. Riley	Escanaba, Mich.
Auditor	H. W. Reade	Escanaba, Mich.
General Manager	P. L. Utley	Escanaba, Mich.
General Superintendent	E. F. Zeuhlke	Escanaba, Mich.

GRAND RAPIDS, GRAND HAVEN & MUSKEGON RAILWAY COMPANY.

Organized March 7, 1899, under the Laws of the State of Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
George B. Caldwell	New York, N. Y.	
Richard Schaddelee	Grand Rapids, Mich.	
Frank T. Hulswit	Grand Rapids, Mich.	
Thos. F. Carroll	Grand Rapids, Mich.	
W. K. Morley	Grand Rapids, Mich.	
S. L. Vaughan	Grand Rapids, Mich.	
C. M. Hurd	Grand Rapids, Mich.	

OFFICERS.

Title.	Name.	Official address.
President	Richard Schaddelee	Grand Rapids, Mich.
Vice-President	Frank T. Hulswit	Grand Rapids, Mich.
Secretary	L. H. Heinke	Grand Rapids, Mich.
Treasurer	C. M. Hurd	Grand Rapids, Mich.
Attorney	Carroll, Kerwin & Holloway	Grand Rapids, Mich.
Auditor	Lulu E. Jones	Grand Rapids, Mich.
General Manager	W. K. Morley	Grand Rapids, Mich.
General Superintendent	L. R. McNaughton	Fruitport, Mich.
Traffic Manager		
Mechanical Superintendent	C. A. Sibert	Fruitport, Mich.

WYANDOTTE TERMINAL RAILROAD COMPANY.

Organized September 14, 1904, under Laws of the State of Michigan.

Controlled by Michigan Alkali Co., through stock ownership.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
John B. Ford	Detroit, Michigan	January 30, 1917.
E. L. Ford	Detroit, Michigan	
M. R. Bacon	Wyandotte, Michigan	
R. T. Gray	Detroit, Michigan	
W. T. Orr	Wyandotte, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	John B. Ford	Detroit, Michigan.
First Vice-President	R. T. Gray	Detroit, Michigan.
Secretary	E. L. Ford	Detroit, Michigan.
Treasurer	E. L. Ford	Detroit, Michigan.
Attorney or General Counsel	R. T. Gray	Detroit, Michigan.
Auditor	John M. Griffith	Wyandotte, Michigan.
General Manager	John B. Ford	Detroit, Michigan.
Chief Engineer	Geo. B. Palmer	Wyandotte, Michigan.
General Superintendent	W. T. Orr	Detroit, Michigan.

DIRECTORS AND OFFICERS OF ELECTRIC RAILWAY COMPANIES DOING BUSINESS IN MICHIGAN FOR THE YEAR ENDING DECEMBER 31, 1916.

LANSING SOUTHERN RAILROAD COMPANY.

Organized August 29, 1907; Chapter 164, Laws of the State of Michigan.

Railroad part of Michigan United Traction Co. system operated as an electric railway.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
P. A. Courtright		Until successors are appointed.
T. W. Atwood	Caro, Michigan	
James R. Elliott	Portland, Oregon	
J. E. Morrison	Detroit, Michigan	
Sanford W. Ladd	Detroit Michigan	
J. J. Martindale	Detroit, Michigan	
R. J. Monroe	Lansing, Michigan	
J. F. Henning	Chicago, Illinois	

OFFICERS.

Title.	Name.	Official address.
President	T. W. Atwood	Caro, Michigan.
First Vice-President	James R. Elliott	Portland, Ore.
Secretary and Treasurer	R. Morrison, Jr	Detroit, Mich.

MUSKEGON LIGHTING & TRACTION COMPANY.

Organized February 19, 1901, under the Laws of the State of Michigan.

Controlled by American Light & Traction Company by purchase of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
John T. Young	Grand Rapids, Michigan	February, 1918.
Henry E. Morton	Muskegon, Michigan	
Louis Kanitz	Muskegon, Michigan	
Wm. J. Brinnen	Muskegon, Michigan	
Frank Hubbard Smith	Muskegon, Michigan	
John Q. Ross	Muskegon, Michigan	
Alanson P. Lathrop	New York, N. Y	
H. C. Abell	New York, N. Y	
Emerson McMillan	New York, N. Y., 40 Wall St	

OFFICERS.

Title.	Name.	Official address.
President	John Q. Ross	Muskegon, Michigan.
Vice-President	John T. Young	Grand Rapids, Michigan.
Secretary	H. P. Lewis	Muskegon, Michigan.
Treasurer	H. P. Lewis	Muskegon, Michigan
General Solicitor	Cross, Vanderwerp, Foote & Ross	Muskegon, Michigan.
Attorney or General Counsel	Cross, Vanderwerp, Foote & Ross	Muskegon, Michigan.
Auditor	James Lawrence	New York, N. Y., 40 Wall St.
General Manager		
Chief Engineer		
General Superintendent	Walter L. Eyke	Muskegon, Michigan.

SAGINAW-BAY CITY RAILWAY COMPANY.

Organized December 1, 1903, under the Laws of Michigan.

Controlled by the Commonwealth Power Railway & Light Company by purchase of majority of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
Otto Schupp	Saginaw, Michigan	January 31, 1917.
B. C. Cobb	New York, N. Y.	
J. E. Davidson	Bay City, Michigan	
J. E. Duffy	Bay City, Michigan	
F. J. Fox	Saginaw, Michigan	
J. A. Cleveland	New York, City	
W. F. Jennison	Bay City, Michigan	
H. T. Wickes	Saginaw, Michigan	
J. L. Jackson	Saginaw, Michigan	

OFFICERS.

Title.	Name.	Official address.
President	B. C. Cobb	New York City.
First Vice-President	H. T. Wickes	Saginaw, Michigan.
Second Vice-President	J. E. Davidson	Bay City, Michigan.
Third Vice-President	J. A. Cleveland	New York City.
Secretary	G. B. Dobbin	Jackson, Michigan.
Treasurer	J. W. Glendening	Jackson, Michigan.
Attorney		
Auditor	A. J. Bray	Jackson, Michigan.
General Manager	J. A. Cleveland	Saginaw, Michigan.
General Superintendent	C. H. Smith	Saginaw, Mich.
Mechanical Superintendent	L. Gaw	Saginaw, Mich.
Chief Engineer	R. B. Palmer	Saginaw, Mich.

SOUTHERN MICHIGAN RAILWAY CO.

Organized February 8, 1906, under the Laws of Indiana and Michigan.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
C. F. Dietrich	New York, N. Y.	February 7, 1917.
A. E. Dietrich	New York, N. Y.	
Chas. Murdock	Lafayette, Ind.	
S. T. Murdock	Indianapolis, Ind.	
F. I. Hardy	South Bend, Ind.	

OFFICERS.

Title.	Name.	Official address.
President	Chas. F. Dietrich	No. 2 Rector St., New York, N. Y.
Vice-President	Chas. M. Murdock	Lafayette, Ind.
Secretary	S. T. Murdock	Indianapolis, Ind.
Treasurer	A. E. Dietrich	New York, N. Y., 2 Rector St.
Attorney or General Counsel	Harry R. Wair	South Bend, Ind.
Auditor	G. V. Carrier	South Bend, Ind.
General Manager	F. I. Hardy	South Bend, Ind.
General Superintendent	F. I. Hardy	South Bend, Ind.
Mechanical Superintendent	C. E. Atkinson	South Bend. Ind.

TOLEDO, OTTAWA BEACH & NORTHERN RAILWAY CO.

Organized October 25, 1906, under the Laws of Ohio and Michigan.

Controlled by Toledo Traction Light & Power Co., through ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
F. R. Coates	Toledo, Ohio	January, 1917.
C. E. Murray	Toledo, Ohio	
R. Fuller	Toledo, Ohio	
R. Burger	Toledo, Ohio	
A. Swarts	Toledo, Ohio	

OFFICERS.

Title.	Name.	Official address.
President	F. R. Coates	Toledo, Ohio.
First Vice-President	R. Fuller	Toledo, Ohio.
Secretary and Treasurer	C. E. Murray	Toledo, Ohio.
Auditor	C. E. Murray	Toledo, Ohio.
Attorney or General Counsel	Chas. A. Frueauff	New York, N. Y.
General Manager	F. R. Coates	Toledo, Ohio.

THE TOLEDO & WESTERN RAILROAD COMPANY.

Organized December 10, 1906, under the Laws of the State of Ohio.

Controlled by Toledo Traction Light & Power Co., through ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
F. R. Coates	Toledo, Ohio	January, 1917.
C. E. Murray	Toledo, Ohio	
R. E. Burger	Toledo, Ohio	
A. Swarts	Toledo, Ohio	
D. C. Bailey	Toledo, Ohio	

OFFICERS.

Title.	Name.	Official address.
President	F. R. Coates	Toledo, Ohio.
Vice-President	A. Swarts	Toledo, Ohio.
Secretary and Treasurer	C. E. Murray	Toledo, Ohio.
Auditor	C. E. Murray	Toledo, Ohio.
Attorney or General Counsel	Chas. A. Frueauff	New York, N. Y.
General Manager	F. R. Coates	Toledo, Ohio.
General Superintendent		

DIRECTORS AND OFFICERS OF EXPRESS COMPANIES DOING BUSINESS IN MICHIGAN FOR YEAR ENDING DECEMBER 31, 1916.

ADAMS EXPRESS COMPANY.

Organized July 1, 1854, under the Laws of the State of New York.

DIRECTORS.

Their title under the Articles of Association is "Managers."

Title.	Postoffice address.	Expiration of term.
Wm. M. Barrett	New York, N. Y.	No date fixed.
G. D. Curtis	Chicago, Ill	
Alex. J. Hemphill	New York, N. Y.	
Chas. D. Norton	New York, N. Y.	
H. E. Huff	Philadelphia, Pa	
Caleb S. Spencer	New York, N. Y.	
Oliver D. Vanderbilt, Jr	New York, N. Y.	

OFFICERS.

Title.	Name.	Official address.
President	Wm. M. Barrett	New York, N. Y.
Vice-President	C. S. Spencer	New York, N. Y.
Vice-President in charge of Traffic	E. M. Williams	New York, N. Y.
Vice-President and Gen. Mgr. of Eastern Dept.	Henry E. Huff	Philadelphia, Pa.
Vice-President and Gen. Mgr. Western Dept.	Grand D. Curtis	Chicago, Ill.
Secretary	Horatio H. Gates	New York, N. Y.
Treasurer	Caleb S. Spencer	New York, N. Y.
General Counsel	Guthrie, Bangs & VanSinderen	New York, N. Y.
General Auditor	Wm. W. Glen	New York, N. Y.
Superintendent of New York Department	Charles MacKay	New York, N. Y.
General Manager Foreign Department	J. S. Bigger	London, Eng.
Traffic Manager	J. E. Cronin	New York, N. Y.

AMERICAN EXPRESS COMPANY.

Organized March 18, 1850, and November 15, 1859, under the common law of the State of New York.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
George C. Taylor	New York, N. Y., 65 Broadway	When successors are elected.
John G. Milburn	New York, N. Y., 54 Wall St	
Francis F. Flagg	New York, N. Y., 65 Broadway	
Cornelius Vanderbilt	New York, N. Y., 30 Pine St	
Charles M. Pratt	New York, N. Y., 26 Broadway	
John H. Bradley	New York, N. Y., 65 Broadway	
J. Horace Harding	New York, N. Y., 25 Broad St	
James S. Alexander	New York, N. Y., 31 Nassau St	

OFFICERS.

Title.	Name.	Official address.
President	George C. Taylor	New York, N. Y., 65 Broadway
First Vice-President in charge of General	Francis F. Flagg	New York, N. Y., 65 Broadway
Vice-President in charge of Financial Dept	Howard K. Brooks	New York, N. Y., 65 Broadway
Vice-President in charge of Traffic	Dixon S. Elliott	New York, N. Y., 65 Broadway
Secretary and Assistant to President	F. P. Small	New York, N. Y., 65 Broadway
Treasurer	James F. Fargo	New York, N. Y., 65 Broadway
General Counsel	Carter, Ledyard & Milburn	New York, N. Y., 54 Wall St.
Comptroller	Robt. Mundle	New York, N. Y., 65 Broadway
Vice-President and General Manager Eastern Department	Robt. E. M. Cowie	New York City, 219 E. 42d St.
Vice-President and General Manager Western Department	J. A. D. Vickers	23-29 W. Monroe St., Chicago, Ill.
General Manager of Foreign Department U. S. and Canada	Harry Gee	65 Broadway, New York, N. Y.
Director General of Foreign Department, Europe	William S. Dalliba	11 Rue Scribe, Paris.
Manager Department of Equipment and Supplies	Elisha Flagg	219 E. 42d St., New York.
Traffic Manager	Edwin E. Bush	65 Broadway, New York, N. Y.

CANADIAN EXPRESS COMPANY.

Organized February 16, 1865, under the laws of the Dominion of Canada.

Controlled by the Grand Trunk Railway Company, by ownership of stock.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. J. Chamberlin	Montreal, Que	May, 1917.
John Pullen	Montreal, Que	
Frank Scott	Montreal, Que	
Hugh Paton	Montreal, Que	
W. H. Biggar	Montreal, Que	
J. E. Dalrymple	Montreal, Que	
H. G. Kelly	Montreal, Que	

OFFICERS.

Title.	Name.	Official address.
Chairman of the Board	E. J. Chamberlin	Montreal, Canada.
President	J. Pullen	Montreal, Canada.
Secretary	Frank Scott	Montreal, Canada.
Treasurer	Frank Scott	Montreal, Canada.
Attorney or General Counsel	W. H. Biggar	Montreal, Canada.
General Auditor	W. W. Williamson	Montreal, Canada.

WESTERN EXPRESS COMPANY.

Organized October 30, 1894, under the Laws of the State of Wisconsin.

Controlled by Trustees in behalf of Minn., St. Paul & S. S. Marie Ry. Co.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
E. Pennington	Minneapolis, Minn	October 30, 1917.
W. L. Martin	Minneapolis, Minn	
C. W. Gardner	Minneapolis, Minn	
H. B. Dike	Minneapolis, Minn	
G. W. Webster	Minneapolis, Minn	

OFFICERS.

Title.	Name.	Official address.
Chairman of Board and President	E. Pennington	Minneapolis, Minn.
Vice-President	W. L. Martin	Minneapolis, Minn.
Secretary	H. B. Dike	Minneapolis, Minn.
Treasurer	C. F. Clement	Minneapolis, Minn.
General Solicitor	H. B. Dike	Minneapolis, Minn.
Comptroller	C. W. Gardner	Minneapolis, Minn.
Auditor	W. H. Plant	Toronto, Can.
General Manager	W. S. Stout	Toronto, Can.
General Superintendent	T. E. McDonnell	Chicago, Ill.
Traffic Manager	W. H. Burr	Toronto, Ont.

WELLS-FARGO & COMPANY.

Organized February 5, 1866, under the Laws of the Territory (now State) of Colorado.

DIRECTORS.

Name.	Postoffice address.	Expiration of term.
B. D. Caldwell	New York, N. Y	Second Thursday in Oct., 1917.
Chas. A. Peabody	New York, N. Y	
F. D. Underwood	New York, N. Y	
H. E. Huntington	New York, N. Y	
H. W. DeForest	New York, N. Y	
W. V. S. Thorne	New York, N. Y	
A. Christeson	San Francisco, Cal	
W. F. Herrin	San Francisco, Cal	
J. H. Schiff	New York, N. Y	
W. A. Harriman	New York, N. Y	
R. Delafield	New York, N. Y	
E. A. Stedman	Chicago, Ill	
L. F. Loree	New York, N. Y	

OFFICERS.

Title.	Name.	Official address.
President	B. D. Caldwell	New York, N. Y.
Vice-President	M. Christeson	San Francisco, Cal.
Vice-President	E. A. Stedman	Chicago, Ill.
Secretary	C. H. Gardner	New York, N. Y.
Treasurer	B. H. River	New York, N. Y.
General Counsel	C. W. Stockton	New York, N. Y.
Vice-President and Comptroller	J. W. Newlean	Chicago, Ill.
General Manager	A. Christeson	San Francisco, Cal.
General Manager	E. A. Stedman	Chicago, Ill.
Vice-President in charge of Traffic	F. S. Holbrook	New York, N. Y.
Traffic Manager	G. S. Lee	New York, N. Y.
Assistant Comptroller	R. Burr	New York, N. Y.

TELEPHONE UTILITIES DOING BUSINESS IN MICHIGAN FOR THE YEAR ENDING DECEMBER 31, 1917, TOGETHER WITH NAMES AND ADDRESSES OF THE OFFICIAL REPRESENTATIVES OF THE UTILITIES.

NOTE:—G. M. Indicates General Manager.

TELEPHONE UTILITIES.

Name.	Secretary.	Address.
CLASS A AND B.		
Citizens Telephone Company	C. E. Tarte, (G. M.)	Grand Rapids.
Citizens Telephone Co. of Jackson	C. E. Tarte, (G. M.)	Grand Rapids.
Lenawee County Telephone Company	W. O. Hunt	Adrian.
Michigan State Telephone Company	G. M. Welch, (G. M.)	Detroit.
Ohio State Telephone Company, The	C. J. Queen	Columbus, Ohio, 101 N. Third Street.
Central Union Telephone Company	John Uprichard	Chicago, Ill., 212 Washington Street.
Southern Michigan Telephone Company	A. C. Hinebaugh	Burr Oak.
Union Telephone Company, The	W. J. Melchers	Owosso.
United Home Telephone Company	J. B. Lockwood	Muskegon.
Valley Home Telephone Company	C. O. Trask	Saginaw.
Van Buren County Telephone Company	Albert B. Chase	South Haven.
CLASS C.		
Benzie Consolidated Telephone Company	W. J. Berry	Detroit, 202 Lincoln Bldg.
Blissfield Telephone Company	K. B. Glaser	Blissfield.
Brown City Telephone Company	W. H. Witt	Brown City.
Calhoun County Telephone Company	P. C. Smith	Homer.
Camden Rural Telephone Company	E. H. Babcock	Camden.
Cass City Telephone Company, The	Edw. Pinney	Cass City.
Cass County Home Telephone Company	Geo. L. Hall	Dowagiac.
Central Michigan Telephone Company	E. W. Morgan	Laingsburg.
Chesaning Home Telephone Company	C. W. Cheeney	Chesaning.
Citizens Telephone Company of Battle Creek	E. A. Wells	Grand Rapids.
Clinton Telephone Company	Leslie G. Brown	St. Johns.
Consolidated Telephone Company	Geo. M. Deady	Bad Axe.
Croswell Telephone Company	H. B. Ryan	Harbor Beach.
Eaton County Telephone Company	Geo. A. Williams	Charlotte.
Home Telephone Co. of Grass Lake	Nelman F. Wing	Grass Lake.
Farmers Tel. Co. of Dundee & Azalia	F. W. Grafolph	Dundee.
Grand Ledge Telephone Company	G. M. Every	Grand Ledge.
Hillsdale County Telephone Company	H. Taylor	Osseo.
Home Telephone Co. of Angola	H. E. Wilder	Angola, Ind.
Leslie Home Telephone Company	W. H. Graves	Leslie.
Livingston County Mutual Tel. Co	C. H. Miner	Howell.
Manistique Telephone Company	Oren G. Quick	Manistique.
Mich. Ind. Tel. & Traffic Assn.	Roy F. Mapes	Grand Rapids.
Morenci Telephone Co., The	C. E. Smith	Morenci.
Onaway-Alpena Telephone Company	Chas. S. Davis	Alpena, 215 Lockwood St.
Ontonagon County Telephone Company	E. Stannard	Rockland.
Reading Central Telephone Company	C. G. Fitzsimmons	Reading.
Saline Telephone Company	E. F. Henne	Saline.
Tecumseh Telephone Company	Miss L. Babcock	Tecumseh.
Traverse Bays Telephone Company	W. D. Hickin	Central Lake.
Western Allegan County Telephone Co	C. W. Bowles	Ganges.
Williams County Telephone Company	C. S. Roe	Bryan, Ohio.

CLASS D.

Telephone Company.	Secretary.	Town.
A.		
Adamsville Telephone Union	W. T. Shaffer	Cassopolis, Mich.
Alamo Mutual Telephone Co	B. J. Barber	Alamo, Mich., R. No. 1.
Alba Telephone Co	A. J. Graham	Alba, Mich.
Algansee Telephone Co	W. J. Houck	Quincy, Mich., R. No. 1.
Allen Mutual Telephone Co	E. G. Hamblin	Allen, Mich.
Allendale Telephone Co	J. A. Hinken	Jenison, Mich.
Almont Telephone Co	W. F. Hammond	Almont, Mich.
Alpena & Presque Isle Telephone Co	A. J. Foley	Alpena, Mich.
Anchor Bay Telephone Co	Rudolph Friday	New Baltimore, Mich.
Arenac Telephone Co	Mae Mann	Sterling, Mich.
Arenac, Ogemaw & Iosco Telephone Co	Ross Thompson	Twining, Mich., R. No. 1.
Augusta Telephone Co	C. R. Garrett	Augusta, Mich.
Aurelins & Vevay Telephone Co	C. M. Casler	Mason, Mich.
Avoca Telephone Co	T. J. Ramsey	Avoca, Mich.
Alger Telephone Co	A. W. Kindig	Alger, Mich.
Alpha Telephone Co	Chas. J. Kazilek	Alpha, Mich.
B.		
Baroda Telephone Co	E. Bruner	Baroda, Mich.
Beaverton Telephone Co	Lee Ross	Beaverton, Mich.
Berrien County Home Telephone Co	H. G. Miller	So. Bend —J. M. S. Bldg.
Birch Lake Telephone Co	S. L. Loupee	Vandalia.
Black Ash Ind. Tel. Co	J. C. Hanies	Coleman, Mich., R. No. 2.
Borculo Ind. Telephone Co	Ralph P. Lamer	Zeeland, Mich., R. No. 2.
Breedsville Mutual Telephone Co	Miss Dora Sibole	Breedsville, Mich.
Britton Tel. Co	Mrs. M. L. Brown	Britton, Mich.
Brookfield Mutual Tel. Co	Joseph Webber	Charlotte, Mich., R. No. 9.
Buckeye Telephone Co	Mrs. J. C. McMichael	Alanson, Mich., R. No. 1.
Broomfield Telephone Co	T. C. Pattison	Millbrook, Mich.
C.		
Capac Telephone & Messenger Co	E. J. Buck	Capac, Mich.
Cambria Rural Telephone Co	C. A. Dresser	Hillsdale, Mich., R. F. D. 2.
Carr Telephone Co	W. N. Buffenbarger	Branch, Mich.
Central Citizens Tel. Ass'n	L. W. Gallup	Hudson, Mich.
Ceresco Telephone Co	John Mingle	Ceresco, Mich.
Chambers Telephone Co	C. A. Chambers	Fostoria, Mich.
Chapin Mutual Telephone Co	Fred E. Miller	Bannister, Mich.
Citizens Mutual Telephone Co. of Vantown	A. Brinniston	Dansville, Mich.
Citizens Tel. Co.—Harrisville	John McGregor	Harrisville, Mich.
Citizens Tel. Co.—Marshall	A. E. Wells	Grand Rapids, Mich.
Citizens Tel. Co.—Schoolcraft	W. H. Harter	Schoolcraft.
Clayton Telephone Co	C. G. Griffin	Clayton, Mich.
Climax Citizens Telephone Co	A. B. Verney	Climax, Mich.
Coloma Telephone Co	J. V. Wright	Coloma, Mich.
Cooper Branch Telephone Co	Mrs. C. F. Cooper	Cassopolis, Mich.
Columbiaville Telephone Co	S. C. Hallenbeck	Columbiaville, Mich.
County Line Ind. Tel. Co	Will Trowbridge	Fowlerville, Mich.
Crystal Telephone Co	J. G. Deyoe	Crystal, Mich.
D.		
Daggett Nathan Faither Tel. Co	J. J. Lauvent	Nathan, Mich.
Dalton Telephone Co	Mrs. E. F. Plunkett	95 Sanford St., Muskegon, Mich.
Davison Telephone Co	A. E. Gifford	Davison, Mich.
Deerfield Farmers' Telephone Co	M. C. McMahon	Deerfield, Mich.
E.		
East Alaiedon Telephone Co	G. E. Swartout	Mason, Mich.
East Shore Telephone Co	Miss C. A. Wilson	Lake Side, Mich.
Easton Ind. Telephone Co	R. S. Noddins	Orleans, Mich.
Ewen Telephone Co	J. A. Waring	Ewen, Mich.

Telephone Company.	Secretary.	Town.
F.		
Farmers' Exchange Telephone Co	Eli Boyer	Butternut, Mich.
Farmers' Ind. Telephone Co. of Temperance	H. L. Deland	Temperance, Mich.
Farmers' Mutual Telephone Co. of Elmdale	Henry A. Johnston	Alto, Mich.
Farmers' Mutual Telephone Co., Grand Traverse	A. E. Pulver	Summitt City, Mich.
Farmers' Telephone Co. of Deckerville	W. R. Young	Deckerville, Mich.
Fremont Northwestern Telephone Co	Peter Pell	Fremont, Mich.
G.		
Gaines Farmers Mutual Telephone Co	D. P. Haviland	Gaines, Mich.
Gobleville Farmers Mutual Telephone Co	Bert Travis	Gobleville, Mich.
Grand Blanc Telephone Co	J. Crapser	Grand Blanc, Mich.
Grand Juntion Telephone Co	Jas. Gillispie	Grand Junction, Mich.
Grawn Rural Telephone Co	F. W. Hanelin	Grawn, Mich.
Grayling City Telephone Co	Melvin A. Bates	Grayling, Mich.
Glenn Mutual Telephone Co	C. Senf	Bravo, Mich.
H.		
Hamilton Mutual Telephone Co	M. E. Hoadley	Hamilton, Mich.
Harbor Beach Telephone Co	H. B. Ryan	Harbor Beach, Mich.
Holloway Telephone Co	H. A. Smith	Tecumseh, Mich. R. No. 1.
Home Telephone Co. of Palo	F. A. Hargrave	Palo, Mich.
Huron Telephone Co	H. C. Wales	Elkton, Mich.
I.		
Ida Telephone Co	F. W. Schafer	Ida, Mich.
Independent Telephone Co	Thos. Conlin	Tipton, Mich.
Iosco County Telephone Co	F. S. Wood	Maltby, Mich.
K.		
Kalkaska County Telephone Co	Robt. E. Bell	So. Boardman, Mich.
Keweenaw Bay Local Telephone Co	R. Marie Crebassa	Keweenaw Bay, Mich.
L.		
Lacey Mutual Telephone Co	H. B. Babcock	Dowling, Mich.
Lacota Mutual Telephone Co	Chas. A. Simpory	Lacota, Mich.
Laporte Home Telephone Co	C. O. Trask	Laporte, Mich.
Lakefield Telephone Co	John Teed	McMillan.
Leelanaw Telephone Co	Jas. A. Shelps	Northport, Mich.
Leighton Telephone Co	Titus Hunsberger	Caledonia.
Litchfield Farmers' Mutual Telephone Co	Jay Hawkes	Litchfield, Mich.
Locke Mutual Telephone Co	Leon L. Sweet	Webberville, Mich.
Lyndille Telephone Co	A. J. May	Gregory, Mich.
M.		
Macon Telephone Co	C. B. Mickel	Clinton, Mich.
Marenisco Telephone Co	E. H. Ormms	Marenisco, Mich.
Mason Okemos Telephone Co	J. G. Rathbone	Mason, Mich.
Matchwood McMillan Telephone Co	J. A. Waring	Ewen, Mich.
Milford Home Telephone Co	G. H. Wells	Milford, Mich.
Minden City Telephone Co	G. E. Meridith	Minden City.
Missaukee Telephone Co	G. S. Stout	Lake City, Mich.
Montmorency County Telephone Co	Elmer G. Smith	Atlanta, Mich.
Montrose Home Telephone Co	John G. Fanar	Montrose, Mich.
Mundy Telephone Co	Chas. E. Allen	Swarts Creek, Mich.
Munising Telephone Electric Co	W. R. Burns	Munising, Mich.
Mutual Telephone Co	F. M. Gleason	Copemish, Mich.
Mutual Telephone Co. of Lapeer	Myron Fancher	Imlay City, Mich.
N.		
Nadeon Township Telephone Co	Eric Hammerberg	Carney, Mich.
Newton & Le Roy Telephone Co	Albert Smith	Union City, Mich.
North Onondaga & Eaton Rapids Tel. Co	F. H. M. Long	Eaton Rapids, Mich.
North Parma Telephone Co	Frank Gilmore	Parma, Mich.
No. West Leslie No. E. Onondaga	Ed. B. Coryell	Leslie, Mich., R. No. 1.
North Street Telephone Co	Allen Smith	Atkins, Mich.

Telephone Company.	Secretary.	Town.
O.		
O. & E. Mutual Telephone Co	Edward Kelley	Howard City, Mich.
Ogemaw Telephone Co	H. S. Karcher	Rose City, Mich.
Ogden Mutual Telephone Co	John W. Pence	Blissfield, Mich., R. No. 5.
Orion Telephone Co	Sarah Murphy	Orion, Mich.
Osceola Rural Telephone Co	W. B. Wright	Evart, Mich.
Oscoda County Farmers Mut. Tel. Co	E. A. Troyer	Fairview, Mich.
Ovid Mutual Telephone Co	S. B. Gleason	Ovid, Mich.
P.		
Palo Telephone Co	F. A. Hargrave	Palo, Mich.
Partello & Springport Tel. Co	C. W. Midland	Olivet, Mich.
Peoples Mutual Telephone Co	Fred C. Risch	Webberville, Mich.
Pickford Telephone Co	P. E. Taylor	Pickford, Mich.
Pinconning Telephone Co	S. R. Marks	Pinconning, Mich., R. No. 2.
Provement Telephone Co	O. J. Plamodon	Provement, Mich.
Pullman Telephone Co	W. C. Runkle	Edwardsburg, Mich.
Port Hope Telephone Co	Wm. R. Stafford	Port Hope, Mich.
Portland Farmers Telephone Co	Joseph Spitsley	Portland, Mich.
R.		
Richmond Telephone Co	A. E. Fuller	Richmond, Mich.
Rives Telephone Co	C. A. Pulver	Jackson, Mich., R. No. 4.
Rollin Telephone Co	Dr. L. S. Twone	Manitou Beach.
Roscommon Telephone Co	D. D. Pattie	Roscommon, Mich.
Rural Telephone Co., of Waterloo	H. Singleton	Gregory, Mich.
Rudyard Telephone Co	H. S. Field	Rudyard, Mich.
S.		
St. Charles Roadway Telephone Co	F. A. Herron	Ithaca, Mich.
St. Marys Telephone Co	S. E. Bool	Cleveland, Ohio, 600 Western Reserve Building.
Sagala Telephone Co	P. D. McCole	Sagala, Mich.
Samaria Farmers Telephone Co	F. B. Osborn	Samaria, Mich.
Sanford F. Harris & Co	J. B. Atkins	South Bend, Ind., 214 W. Colfax Ave.
Sand Creek Telephone Co	Silas Griffith	Sand Creek, Mich.
Shiawassee Telephone Co	Frank Cranford	Perry, Mich.
Shiawassee Mutual Telephone Co	Lucaine Scribner	Bancroft, Mich.
Shiawassee & Genesee Mutual Telephone Co	Peter B. Lennon	Lennon, Mich.
Smyrna Telephone Co	Olive Insley	Smyrna, Mich.
Springport Mutual Telephone Co	Floyd Boatman	Eaton Rapids, Mich.
Springport Telephone Exchange Co	Arthur Punches	Springport, Mich.
St. Clair Central Telephone Co	C. C. Peck	Port Huron, Mich.
Sunfield Telephone Co	R. M. Baseone	Sunfield, Mich.
T.		
Thumb Telephone Co	C. E. Mugan	Port Sanilac, Mich.
Trout Creek & Calderwood Telephone Co	M. J. Clossen	Trout Creek, Mich.
Tuscola Farmers' Telephone Co	Robert Smith	Vassar, Mich., R. No. 2.
U.		
United Telephone Company	John Inman	Fremont, Mich.
W.		
Waldron Telephone Co	Guy Smith	Waldron, Mich.
Walled Lake Home Telephone Co	J. A. Denereaux	Walled Lake, Mich.
Walloon Lake Telephone Co	Fred Shepard	Walloon Lake, Mich.
Watson Telephone Co	Andrew G. Schuls	Otsego, Mich., R. No. 1.
Warren Rural Telephone Co	Jacob Hartsig	Warren, Mich.
Washington Center Mutual Telephone Co	W. W. Mette	Pompeii.
West Antrim Telephone Co	A. L. Beard	Morrice.
Wexford County Telephone Co	H. Vandevanter	Mesick, Mich.
Whitford Farmers' Telephone Co	James Conolly	Winn, Mich.
Winn Telephone Co	Fred Tomlinson	Winn, Mich.
Williamston Telephone Co	F. N. Monroe	Williamston, Mich.

CLASS "D" UNINCORPORATED TELEPHONE COMPANIES.

Name.	Secretary.	Address.
Akron Mutual Telephone Company	J. A. Irwin	Akron, Mich.
Baraga County Telephone Company	A. W. Stark	Baraga, Mich.
Bedford, Wm. L., Telephone Company	Wm. L. Bedford	Caseville, Mich.
Bentley Telephone Company	Floyd Smith	Bentley, Mich.
Billings Telephone Company	G. W. Kent	Coleman, Mich.
Blanchard Telephone Company	Chester McDonald	Blanchard, Mich.
Bloomingdale Telephone Company	E. A. Haven	Bloomingdale, Mich.
Brant Home Telephone Company	O. D. Wilson	Brant, Mich.
Brimley Telephone Company	J. M. Stocker	Brimley, Mich.
Brown's Telephone Company	C. C. Brown	Chatham, Mich.
Brooklyn Switchboard Ass'n	C. H. Hewitt	Brooklyn, Mich.
Citizens Telephone Co. of Banfield	D. C. Stiles	Delton, Mich.
Citizens Mutual Telephone Co. of Howard City	Frank Reames	Howard City, Mich.
Cedar Telephone Company	P. L. La Vanture	Cedar, Mich.
Clark Lake Switchboard	J. D. Reed	Brooklyn, Mich.
Clifford Exchange Telephone Co	J. H. Atley (Owner)	Clifford, Mich.
Delton Telephone Company	R. B. Gaskill	Delton, Mich.
Drenthe Independent Telephone Co	A. J. Brown	Zeeland, Mich.
East Saugatuck Telephone Co	G. J. Heetderks	Holland, R. R. 1.
Elwell Telephone Company	J. R. Miller	Elwell, Mich.
Empire Rural Telephone Co	John Fry	Empire, Mich.
Ensley Farmer's Telephone Co	Edwin Carr	Sand Lake, Mich.
Fayette Rural Telephone Co	Robert E. Carter	Jonesville, Mich.
Garden Telephone Co	Geo. Joque	Garden, Mich.
Hadley Telephone Co	E. Hadley	Hadley, Mich.
Hickory Corners Telephone Co	Thos. W. Rockwell	Cressey, R. R. 1.
Harlan Rural Telephone Co	L. Myers	Harlan, Mich.
Hills Rural Telephone Co	W. A. Hill	Au Gres, Mich.
Holton Mutual Telephone Ass'n	Philip Murphy	Holton, Mich.
Home Telephone Company of Monroe	Warren A. Stoddard, Mgr	Monroe, Mich.
Ironwood Rural Telephone Company	John G. Helli	Ironwood, Mich.
Jeddo Telephone Exchange	Wm. J. Lamb	Jeddo, Mich.
Kingston Telephone Company	John Burns	Kingston, Mich.
Kinde Telephone Co	W. A. Seale	Kinde, Mich.
Levering Telephone Company	J. J. Walker	Levering, Mich.
Leonard Telephone Company	O. S. Hibbler, Mgr	Leonard, Mich.
Lawrence Mutual Tel. Company	Geo. L. Rich	Lawrence, Mich.
Leslie & Onondaga Telephone Co	W. P. Kinch	Onondaga, Mich.
Liberty Telephone Company	Bernstein	Liberty, Mich.
Linton-Baker Telephone Co	A. D. Robinson	Berlamont, Mich.
Morenge Prairie Telephone Co	Julius C. Larson	White Cloud, R. R. 3.
Marion Telephone Co	James P. Mugan	Pt. Sanilac.
Mack Roadway Telephone Co	Eugene Mack	Leonard, Mich.
Meade Telephone Co	A. J. Leonardson	Mt. Clemens, R. F. D.
Montcalm Telephone Co	J. P. Johnson	Greenville, Mich., 314 Montcalm St.
Moore Telephone Company	W. J. Moore	Caro, Mich.
Morrice Telephone Co	E. L. Vreeland	Morrice, Mich.
Munger and Reese Telephone Co	Otto Schnettler	Munger, Mich.
Newport Telephone Company	A. E. Niedermeier	Newport, Mich.
North Adams Switchboard Ass'n	W. L. Van Deusen	Hillsdale, Mich.
North Branch Telephone Company	J. H. Vandecar	North Branch.
North Bethany Telephone Company	John Longanback	St. Louis, Mich.
North Monterey Telephone Co	Clinton Givson	Hopkins, R. R. 3.
Oceana Farmers Mutual Telephone Co	D. A. Prosser	Shelby, Mich.
Okemos Independent Telephone Co	B. J. Potter	Okemos, Mich.
Olive Telephone Co	Bert Bazan	Holland, R. R. 2.
Omer Telephone Co	J. K. Mead	Omer, Mich.
Onstead Telephone Exchange	Charles Shultis	Onsted, Mich.
Onondaga Telephone Company	W. H. Baldwin	Onondaga, Mich.
Ortonville Telephone Co	F. D. Bingham	Ortonville, Mich.
Owendale Independent Telephone Co	W. B. Service	Saginaw, Mich.
Peninsular Telephone Company	Charles A. Lardie	Traverse City.
Pigeon Telephone Company	John J. Campbell	Pigeon, Mich.
Pulaski Telephone Company	N. J. Ackley	Pulaski, Mich.
Pullman Mutual Telephone Co	Otto C. Schaefer	Pullman, Mich.

Name.	Secretary.	Address.
Reno Farmers Telephone Co	John Degrent	Whittemore, Mich.
Sanford Mutual Telephone Co	Lucal Bartenbaker	Sanford, Mich.
Scio Telephone Company	Emanuel Horning	Ann Arbor, Mich.
Scofield Telephone Company	Jacob L. Billmoyer	Carleton, R. R. 4.
Smith Creek Telephone Co	F. H. Wilson	Smith Creek, Mich.
Staley & Bricker Telephone Company	J. E. Staley	Yale, Mich.
Stanwood Telephone Company	Geo. Corbett	Stanwood, Mich.
Thetford Telephone Company	H. C. Tinker	Clio, Mich.
Wakeman, Lyle O. Boyne Valley Exchange	Lyle O. Wakeman	Boyne Falls, Mich.
West Bellevue Telephone Company	Claude Faught	Leslie, Mich.
Weidman Farm Lines	S. M. Raw	Weidman, Mich.
Westphalia Telephone Co	Frank J. Leeber	Westphalia, Mich.
Woodland Telephone Exchange	F. F. Hilbert	Woodland, Mich.
Zeigin, Chas	Zeigin, Chas	Dryden, Mich.

UNINCORPORATED TELEPHONE COMPANIES.

SPECIAL CLASS "D"

Telephone Company.	Secretary.	Address.
A.		
A. B. Citizens Telephone Co	J. H. Millard	Bear Lake, Mich.
Adair Roadway Telephone Co	Frank Siefert	Adair, Mich.
Advance Telephone Co	Mrs. Lena O'Brien	Boyne City, R. R. 1.
Aetna Telephone Co	W. J. Geddes	Morley, Mecosta County.
Alabaster Roadway Co	B. C. Jacobs	Alabaster, Mich.
Almy Lakeview Independent Telephone Co	Henry Herzog	Six Lakes, Mich.
Amble Telephone Co	Jas. D. Wilberg	Amble, Mich.
Amboy Telephone Co	J. A. Ritter	Pioneer, Ohio.
Arcadia Telephone Co	Ed. Wixon	Lapeer, Mich.
Arcadia Mutual Telephone Co	H. S. Smith	Alma, Mich.
Arcadia Center Telephone Co	J. S. Bateman	Alma, Mich.
Arcadia Main Telephone Co	A. T. Sholty	Alma, Mich.
Arcadia Rural Telephone Co	Perry Fargo	Bear Lake, Mich.
Arch Bridge Roadway Telephone Co	Henry McKie	Three Oaks, Mich.
Armstrong Independent Telephone Co	John Armstrong	Farwell, Mich.
Arnold Roadway Telephone Co	John T. Erhard	Marine City, R. R. 2.
Arthur Roadway Telephone Co	J. C. Newman	Clare, Mich.
Ashley Rural Telephone Co	W. H. Hinkle	Ashley, Mich.
Avon Town Line Telephone Co	Albert Weiskirch	Rochester, Mich.
B.		
Bailey Telephone Co	Edgar Morehouse	Leslie, Mich.
Bammel Roadway Telephone Co	Joe Bammel	Marine City, Mich.
Bannister Mutual Telephone Co	Judd Cox	Bannister, Mich.
Bar Lake Roadway Telephone Co	C. M. Sovenson	Manistee, R. R. 1.
Basswood Telephone Co	V. J. Sutherland	New Buffalo, R. F. D.
Bassett Roadway Co	Archie Phillips	Lapeer, Mich.
Bass Lake Independent Telephone Co	Fred Croad	Lake View, Mich.
Battle Point Telephone Co	Ira H. Cross	Spring Lake, Mich.
Bear Creek Telephone Co	Walter May	Thompsonville, Mich.
Beaverton Farmers Telephone Co	A. C. P. Evans	Beaverton, Mich.
Beaver Creek Independent Telephone Co	Roy E. Joley	Merrill, Mich.
Beebe Telephone Co	Clarence Beebe	Weidman, R. R. 1.
Beacher Roadway Co	Oscar St. Johns	Flushing, Mich.
Belle River Mills Telephone Co	J. H. Schunch	St. Clair, Mich.
Belle River Roadway Telephone Co	H. G. Rodd	St. Clair, Mich.
Belleville Roadway Co	R. C. Kendell	Belleville, Mich.
Belleville Roadway Co., No. 73	H. Soop	Belleville, Mich.
Belleville Roadway Co., No. 77	H. Harris	Belleville, Mich.
Belleville Rural Telephone Co., No. 1	.....	.....
Bendon Rural Telephone Co	O. B. Hunt	Bendon, Mich.
Bethany Telephone Company	Ira Comstock	St. Louis, Mich.
Betsey Branch Telephone Co	W. G. Swisher	Thompsonville, Mich.
Big Beaver Telephone Co	Joe McBride	Birmingham, R. R. 4.
Big Bend Telephone Co	E. C. Paul	Harrietta.
Big Hand Road Telephone Co	Will Briggemann	St. Clair.
Big Prairie & Everett Telephone Co	H. S. Utley	White Cloud.
Big Rapids Roadway Co	W. T. Massey	Big Rapids, R. R. 1.
Big Stone Telephone Co	Carl Hunt	Evart.
Big Stone Roadway Co	Walter Wuestenburg	Anchorville, R. R. 1.
Birch Creek Telephone Company	Wm. Harter	Menominee, R. R.
Bissell Telephone Company	Clark Mills	Breckenridge.
Black Creek Farmers Telephone Co	Vern Force	Cedar Springs, R. 1.
Black River Roadway Co	John LaLonde	Harrisville.
Blaisdell Bros	Leonard Blaisdell	Moorestown.
Boon Rural Telephone Co	John J. Miltner	Boon.
Borton Independent Telephone Co	John Young	Breckenridge, R. R. 2.
Bosworth Roadway Telephone Co	Chancy Osborn	Olivet R. R. 3.
Bowman Roadway Telephone Co	Fred Husel	St. Clair.
Boyden Telephone Co	Bert Grossbeck	Lapeer, R. F. D
Bradford Roading Telephone Co	David Vaughn	Lapeer, R. F. D.

Telephone Company.	Secretary.	Address.
B.		
Brady Lake Telephone Co	W. E. Gardiner	Morley.
Brant & Brady Telephone Co	R. F. Fickles	Chesaning.
Breckenridge Roadway Telephone Co	Ray Colthorp	Breckenridge.
Breckenridge Mutual Telephone Co	John Mitchell	Breckenridge.
Brevort Telephone Co	John Kolar	St. Ignace, Box 540.
Bricker Telephone Co	Zell Bricker	East Jordan, R. R. 4.
Brick Schoolhouse Telephone Co	M. Lintermuth	Big Rapids, R. 2.
Bridgewater Center Telephone Co	Dell F. Jenkins	Clinton.
Brinton Telephone Co	Sam Acheson	Lake, R. R. 1.
Brockway Independent Telephone Co	J. W. Tribe	Lakeview.
Brooklyn & Cement City Telephone Co	E. J. Windle	Cement City.
Brooklyn & East Norvell Telephone Co	Austin Singer	Brooklyn.
Brooklyn & Napoleon Telephone Co	Walter Ford	Brooklyn.
Brooklyn & Norvell Telephone Co	W. F. Walker	Norvell.
Brooklyn & Southwestern Telephone Co	W. W. Smith	Brooklyn.
Brooklyn & Wamplers Lake Telephone Co	Henry A. Blum	Norvell.
Brooks Independent Telephone Co	John Brooks	Midland, R. R. 3
Broomfield Center Independent Telephone Co	Carl F. Rhode	Remus.
Broomfield Telephone Company	Albert Him	Mt. Pleasant, R. R. 2.
Brown Independent Telephone Co	Glenn Hillock	Wheeler, Mich.
Brutus Telephone Co	Otto Bahtke	Brutus, Mich.
Buckley & Douglas Lumber Co	J. M. Petersen	Manistee, Mich.
Bundy Hill Telephone Co	John Embry	Weidman, R. R. 1.
Burmham Roadway Co	E. C. Parker	Kalamazoo, R. R. 5.
Burns Telephone Company	F. H. Clarke	Coleman, Mich.
Burt District Telephone Co	J. C. Collins	Reed City, R. R. 1.
Burtlake Roadway Telephone Co	H. T. Reynolds	Topinabee.
Bush Creek Telephone Co	C. W. McLean	Breckenridge, Mich.
Butterfield Telephone Company	R. Lentzinger	Falmouth, R. R. 1.
Byers Roadway Company	Otis Tefts	Big Rapids, R. R. 2.
C.		
Cadillac & Pine River Telephone Co	E. B. Brooks	Hoxeyville, Mich.
Carl District & Haslett Telephone Co	Wm. Donley	Haslett, Mich.
Carpenter Roadway Telephone Co	Thos. Gallagan	Flint, Mich.
Castleton Centre Telephone Co	Frankie Redebaugh	Woodland, R. 3.
Cass River Roadway Telephone Co	Frank Satchell	Bridgeport.
Cato Winfield Independent Telephone Co	Geo. B. Wilson	Lakeview, Mich.
Cedar & Solon Telephone Co	S. B. Cate	Cedar, R. 2.
Cedar Lake Telephone Company	W. V. Crockett	Edmore, Mich.
Cement City Telephone Co	Fred Foote	Cement City, Mich.
Cement City Telephone Line	Floyd Kerr	Cement City, Mich.
Central Chippewa Lake Telephone Co	M. Church	Evart, R. 1.
Central Gibson Telephone Co	Walter G. Sanders	Standish, R. R. 2.
Center Lincoln Telephone Co	Aug. L. Johnson	Reed City, R. R. 4.
Center Line Roadway Co	Wm. Liherens	Utica, R. R. 2.
Center Road Telephone Co	J. P. Hale	Woodland, R. 3.
Central Line Independent Telephone Co	W. V. Barnes	Wheeler, R. R. 1.
Cnetral Telephone Co., Line No. 78	N. D. Burton	Hopkins, Mich.
Central Mutual Telephone Co	Leman Campbell	Holly, Mich.
Central Martiny Telephone Co	Maude Jarvis	Rodney, Mich.
Central Mutual Telephone Co	Ralph Teeter	Middleville, R. R. 4.
Central Michigan Independent Telephone Co	Homer Morris	Wheeler.
Central Newark Telephone Co	Jay Miller	Ithaca, R. R. 2.
Chappie Rapids Roadway Co	Adolph Rudqinsky	Menominee, Mich.
Cheney Roadway Telephone Co	C. L. Rambon	Scotts, Mich.
Cherry Creek Roadway Telephone Co	C. H. King	Marquette, Mich., R. R.
China St. Clair Roadway Telephone Co	Wm. Tebean	St. Clair, R. R. 4.
China Roadway Telephone Co	Wm. McMullen	St. Clair.
Chippewa Lake Telephone Co	T. C. Brooker	Chippewa Lake.
Chippewa Lake Rural Telephone Co	Andrew Hill	Barryton.
Checolay Roadway Telephone Co	W. S. Ewing	Marquette, R. F. D.
Churchill & Logan Roadway Telephone Co	M. L. Moats	Prescott, Mich.
Clam Lake Rural Telephone Co	Oscar Rifquist	Cadillac, R. 1.
Clam River Farmers Telephone Co	Herbert W. Taylor	Lucas, Mich.
Clam Union Twp. Telephone Co	R. Spoelma	McBain, R. R. 2.
Clark Roadway Telephone Co	L. P. Clark	Lenox, R. R. 1.

Telephone Company.	Secretary.	Address.
C.		
Clay Town Line Co	Sarah Platt	Algonac.
Clear Lake Telephone Co	Con. Shuberg	Big Rapids, Mich.
Clemens Roadway Telephone Co	William Thoel	New Haven, Mich.
Clement Roading Telephone Co	John Stone	Alger, R. R. 1.
Cleveland Valley Telephone Co	John H. Dago	Maple City, Mich.
Clinton, Bridgewater & Manchester Telephone Company	Geo. E. Smith	Manchester, Mich.
Clinton & Franklin Telephone Co	C. M. Cooley	Clinton.
Cloverleaf Roadway Co	David Brown	Sault Ste. Marie, R. 2.
Clinton Independent Telephone Co	J. R. Blanchard	Clinton.
Clover Telephone Co	John Price	Lapeer, R. R. 2.
Cloverdale Telephone Co	T. McLeod	Cloverdale, Mich.
Cloverland Roadway Co	Jerry Donovan	Daggett.
Coal Creek Telephone Co	Frank Steele	Owosso, Mich.
Codere Telephone Co	Chas. Belfs	Lake Linden.
Coe Roadway Telephone Co., No. 1	T. D. Coe	Romeo, Mich.
Coe Roadway Telephone Co., No. 2	T. D. Coe	Romeo, Mich.
Coe Roadway Telephone Co	T. D. Coe	Romeo, Mich.
Coldwater Telephone Co	C. E. Engitrom	Le Roy, Mich.
Coldwater Lake Telephone Co	Joseph F. Doll	Weidman, R. R. 2.
Coldwater Roadway Co	Geo. Sutton	Flushing.
Cole Telephone Co. (Line)	Alvin Cole	Cement City, Mich.
Colfax Roadway Company	Samuel E. Road	Big Rapids, R. R. 2.
Colfax Roadway Company	Victor Swanson	Rodney, Mich.
Colfax Telephone Co	B. F. Fredrick	Big Rapids.
Collonville Roadway Co	Homer Likes	Clare, Mich.
Coloma Roadway Co	Chas. Barhmen	Coloma.
Cook & Somerville Telephone Co	H. E. Cook	Mason, Mich.
Cooks Telephone Co	Neil McClellan	Cooks, Mich.
Concord Telephone Co	Frank W. McKenzie	Concord.
Cooperative Telephone Co	J. M. Miller	Weidman, R. R. 2.
Cornell Roadway Telephone Co	J. W. Hipp	Romeo, Mich.
Cottrelville Town Line Roadway Co	Geo. Schmidt	Marine City, Mich.
County Line Telephone Co	W. A. Stratton	Bannister, Mich.
County Center Telephone Co	Herbert Blivin	Hastings, Mich.
Crapo Valley Telephone Co	Frank H. Berger	Reed City, Mich.
Crystal Ridge Mutual Telephone Co	M. J. Pershing	Frankfort, Mich.
Curtisville Roadway Co	C. P. Fitch	Lapeer, Mich.
Curtisville Rural Telephone Co	Allie Wilson	Barryton, R. F. D.
Custer Peach Belt Telephone Co	A. S. Miller	Custer, R. F. D. 2.
Custer Telephone Co	Seth Veeder	Custer, Mich.
Cyclone Telephone Co	Chas. C. Fuller	Morley, Mich.
D.		
Daggett-Eastern Roadway Telephone Co	Wm. Leavock	Daggett, Mich.
Daggett Western Roadway Telephone Co	R. M. Dehlbug	Daggett, Mich.
Danish Independent Telephone Co	J. Chris Hanson	Edmore, Mich.
Danish American Telephone Co	L. P. Jensen	Gowan, R. R. 2.
Dansville Telephone Co	E. J. Blakely	Dansville, Mich.
Day Center Telephone Co	J. Kimball	McBride, Mich.
Denver Telephone Co	Michael Salchert	Rosebush, Mich.
Dead Stream Roadway Co	J. L. Barker	Honor, Mich.
Deerfield & Cohoctah Telephone Co	C. L. Johnson	Linden, Mich.
Deerfield Rural Telephone Co	P. Kuhn	Morley, Mich.
Deer Lake Telephone Co	Jerry S. Barker	Boyne City, Mich.
Dewings Telephone Co	Allen Curtis	Le Roy, Mich.
Dewey Telephone Co	W. R. McMeans	Oxford, Mich.
Diamond Springs Mutual Telephone Co	Estell Zimmerman	Dorr, R. R. 2.
Diamond Lake Telephone Co	Harry Jarvis	Le Roy, Mich.
District No. 6. Roadway Co	Henry Swem	Galien, R. R. 3.
Donaldson Roadway Co	Edward J. Danson	Sault Ste. Marie.
Douglas & Stanton Telephone Co	J. F. Hazelton	Stanton, R. R. 1.
Dowling & Hasting Telephone Co	Arthur Colles	Dowling, Mich.
Drew Telephone Co	Fred R. Bartlett	Remus, R. R. 4.

Telephone Company.	Secretary.	Address.
E.		
Eagle Island Telephone Co	John Karcher	Boyne City.
East Arcadia Independent Telephone Co	D. Bishop	Alma, Mich.
East Dorr Telephone Co	John DeJaugh	Dorr, Mich.
East County Roadway Co	Charlie Hansen	Big Rapids, Mich.
East Fork Telephone Co	S. E. Dean	Barryton, Mich.
East Freesoil Telephone Co	Harry Howell	Freesoil, Mich.
East Geneva Independent Telephone Co	Phil Weidman	North Bradley, Mich.
East Gladwin Roadway Telephone Co	James McIllvenna	Beaverton, Mich.
East Hope & W. Baltimore Telephone Co	Chas. E. Beach	Hastings, Mich.
East Ingalls Roadway Telephone Co	John M. Kronsakle	Stephenson, Mich.
East Lapeer Telephone Co	George Evans	Attica, Mich.
East Line Independent Telephone Co	Geo. Frost	Merrill, Mich.
East Line Telephone Co	W. Mitchell	Cass City, Mich.
East Line Roadway Co	Allen Cory	Stephenson, Mich.
East Lincoln Telephone Co	Alfred Knapp	Le Roy, Mich.
East Mason Roadway Telephone Co	Walter R. Carven	Mason, Mich.
East Mitchell Roadway Telephone Co	Henry Kilborn	Petoskey, Mich.
East Paradise Telephone Co	Hollis Taberer	Kingsley, Mich.
East Park, Independent Telephone Co	S. E. Dean	Barryton, Mich.
East Sidney Independent Telephone Co	Thos. Pearson	Sidney, R. R. 1.
East Side Roadway Telephone Co	E. G. Gilbert	West Branch, Mich.
East Town Line Roadway Co	A. R. Chown	Attica, Mich.
Eastwood Roadway Telephone Co	Wm. Peters	St. Charles, Mich.
Eden Telephone Co	T. G. Rolfe	Eden, Mich.
Edenville Telephone Co	W. L. Carty	Edenville, Mich.
Edgar-Rossman Telephone Co	Roy Rossman	Lakeview, Mich.
Edward Roadway Telephone Co	A. H. Flint	Alger, Mich.
Eight Mile Roadway Telephone Co	John Warren	Auburn, Mich.
Eight Point Rural Telephone Co	W. B. Cook	Lake, R. R. 2.
Elba Center Roadway Co	Edward Murphy	Lapeer, R. R. 2.
Elba Independent Telephone Company	F. H. Leydorf	Bannister, Mich.
Elba Roadway Co	C. F. Fowler	Elba, Mich.
Ellsworth Telephone Company	Ray G. Nicholson	Luther, Mich.
Elmira Telephone Co	A. B. Wickett	Elmira, Mich.
Elm Grove Telephone Co	Geo. C. Bessette	Lapeer, Mich.
Elm Valley Roadway Telephone Co	Geo. C. Luther	Galien, Mich.
Emerson & Bethany Telephone Co	E. D. Healy	St. Louis, Mich.
Enterprise Independent Telephone Co	A. B. Thomas	Edmore, R. R. 1.
Estes Roadway Telephone Co	W. C. McEwen	Plainwell, Mich.
Enterprise Telephone Co	M. W. Badgley	Coleman, Mich.
Etchell & Mason Telephone Co	Bert Hanna	Mason, Mich.
Evansmere Roadway Telephone Co	T. X. Rogan	Marine City, Mich.
Evart Center Line Telephone Co	Worth B. Smith	Evart, Mich.
Evart Emerald Tel. Co	Geo. Ballantyne	Evart, Mich.
Evart & Muskegon Valley Telephone Co	H. W. Dearing	Sears, Mich.
Evart & Myrtle Lake Telephone Co	Tilman Adams	Evart, R. R. 4.
F.		
Fairview Roadway Telephone Co	A. R. Hathaway	Hunters Creek.
Fall Creek Telephone Co	John A. Martin	Hastings, R. R. 8.
Farmers' Mutual Telephone Co	Geo. Gadson	White Pigeon.
Farmers' Roadway Co	Alex Smith	Sault Ste. Marie. % McKnight Road.
Farmers' Telephone Co	Christian Struts	New Haven.
Farmers' Telephone Line Co., No. 220	Martin Van Loo	Zeeland, R. R. 1.
Farmers Line, No. 211	John Wabeke	Zeeland, R. R. No. 2.
Farmers' Line, No. 87	John Wabeke	Zeeland, R. R. 2.
Farmers' Line, No. 150	Johannes Janeson	Zeeland, Mich.
Farmers Mutual Telephone Co. of Alcona	Sam W. Rickel	Glennie.
Farmers' Mutual Telephone Co	Frank X. Keno	Lake Linden.
Farmers' Mutual Telephone Co	C. J. McClure	Boon, Mich.
Farmers' Mutual Telephone Co	C. Szopinski	Grand Haven, R. R.
Farmers' Mutual Telephone Co	R. H. Crissman	Coral.
Farmers' Mutual Telephone Co	Bert Thompsett	Sand Lake, Mich.

Telephone Company.	Secretary.	Address.
F.		
Farmers' Mutual Telephone Co	Ed. Moore	Bannister, Mich.
Farmers' Mutual Telephone Co	A. C. P. Evans	Beaverton, Mich.
Farmers' Mutual Telephone Co	C. F. Hammond	Quimby, Mich.
Farmers' Mutual Telephone Co	W. J. Fern	Parma, R. 1.
Farmers' Roadway Company	Richard Martin	Big Rapids, Mich.
Farmers Telephone Association of Coe	A. J. Fowler	St. Louis, Mich., R. R. 3.
Farmers' Union Telephone Co	Wm. Reeder	Manton, Mich.
Farmers' Union Telephone Co	A. Teen	Falmouth, Mich.
Frederic Mutual Telephone Co	L. A. Gardner	Frederic, Mich.
First Ward Independent Telephone Co	Chas. Van Blarcom	Harrison, Mich.
Fish Lake Roadway Co	John Erigson	Lapeer, Mich.
Five Points Telephone Co	L. J. Mitchell	Holly, Mich.
Flint Rivers Telephone Co	G. F. Newberry	Lapeer, Mich.
Forest Home Roadway Co	James Walker	Lapeer, Mich.
Frances Roadway Telephone Co	N. S. Bryarly	LaPorte, Ind.
Francisco & Waterloo Telephone Co	J. R. Richards	Grass Lake, Mich.
Franklin-Manchester Telephone Co	W. H. Dorr	Clinton, Mich.
Frankenmuth Junction Roadway Co	Walter Stafford	Bridgeport, R. R. 1.
Frost Stanton Independent Telephone Co	Jas. De Young	Stanton, Mich.
Forest Hill Telephone Co	L. M. Ellsworth	Weidman, R. R. 1.
French Roadway Telephone Co	Wm. Sammons	Flushing, Mich.
Fruit Road Telephone Co	J. P. Honsten	Traverse City.
Fulton Mutual Telephone Co	Frank Hines	Pompeii, Mich.
Fuller Roadway Company	M. L. Beackney	Big Rapids, R. R. 2.
Funnell Independent Telephone Co	James Harkins	Mt. Pleasant, R. 5.
G.		
Gaswell Roadway Company	Mrs. B. Beauchamp	Marine City, R. No. 2.
Galien Roadway Telephone Co	R. H. Painter	Galien, Mich.
Germfask Telephone Line	L. M. French	Germfask, Mich.
German Roadway Company	Carl Schmidt	New Buffalo, R. No. 2.
German Road Telephone Co	Albert Schram	Big Rapids, R. No. 4.
Gibson Telephone Association Co	C. R. Berlien	Holland, R. No. 8.
Gilbert Telephone Company	Ed. Larson	Gilbert, Mich.
Gilmore Rural Telephone Co	W. D. Freeman	Farwell, Mich.
Gilmore Farmers Telephone Co	Laskins Fordyce	Farwell, R. No. 1.
Gladwin & Nolan Telephone Co	Arthur Nager	Gladwin, Mich.
Gladwin Road Telephone Co	E. W. Burden	Coleman, Mich.
Gladys Roadway Co	John Byers	Brimley, R. No. 2.
Gleaner Telephone Co	Ernest Nessecar	Evart, R. No. 2.
Goodwell Telephone Co	Jesse Fetterley	White Cloud, Mich.
Grafton Roadway Telephone Co	Frank Gilkens	Alma, Mich.
Graffville Independent Telephone Co	P. A. Camp	Edmore, Mich.
Grange Heights Telephone Co	Melvin Sharrar	Alma, R. No. 1.
Grand Beach Co	Geo. Ely	Grand Beach, Mich.
Grape Growers Independent Telephone Co	W. N. Stephens	Edmore, Mich.
Grassmere & Ely Telephone Co	R. L. Duckworth	Alma, Mich.
Gratiot Meisnee Roadway Co	Miss Ella Sullivan	Richmond, R. No. 3.
Gratiot Roadway Telephone Co	H. J. Vogt	Richmond, R. No. 2.
Gratiot Roadway Telephone Co	Geo. L. Volkening	New Baltimore.
Gravel Ridge Independent Telephone Co	E. H. Kierstead	Lakeview, Mich.
Green Garden Roadway Telephone Co	Robt. A. Zerbol	Marquette, R. No. 1.
Green Center Roadway Co	C. J. Ryan	Paris, R. No. 2.
Green Corners Telephone Co	D. Fullerton	Charlotte, R. No. 9.
Green Oak Roadway Co	Elias Graver	Lapeer, Mich.
Greenville & Clare Independent Telephone Co	Orin W. Smith	Clare, R. No. 5.
Greenwood Mutual Telephone Co	Thomas Ritter	Harrison, Mich.
Greenwood Telephone Co	J. F. Culver	Manton, Mich.
Gregoryville Mutual Telephone Co	S. Lanctot	Lake Linden.
Groverland Grange Telephone Co	J. O. McGinnis	Holly, Mich.
Gun Plains, Roadway Telephone Co	Frank Davis	Plainwell, Mich.
Gutler Roadway Telephone Co	Carl C. Diem	Marine City, R. No. 3.

Telephone Company.	Secretary.	Town.
H.		
Hadley, R. P., Telephone Co	J. P. Dawson	Three Oaks, Mich.
Hadley Rural Telephone Co	Grant Stimson	Hadley, Mich.
Hadley, Frank T	Frank T. Hadley	Hadley, Mich.
Haight Stannard Independent Telephone Co	Budd Wilbur	Bruces Crossing
Hamburg Telephone Co	Thos. W. Featherly	Hamburg, Mich.
Hamilton & Sage Telephone Co	J. Francis McKenna	Gladwin, R. No. 4.
Hannah Telephone Co	Peter Hanson	Kingsley, Mich.
Hand Roadway Co	Thos. Bondie	Inkster, R. No. 1.
Hanover Telephone Association Co	G. W. Buell	Hanover, Mich.
Harcount Roadway Telephone Co	Wm. Butler	West Branch, Mich.
Harlen Telephone Association Co	A. K. Browner	Holland, R. No. 11.
Hartway Roadway Telephone Co	E. A. Schuls	Armada, Mich.
Hastings Co-Operative Telephone Co	A. F. Eaton	Hastings, Mich.
Hastings Carlton Co-Operative Telephone Co	S. A. White	Hastings, R. No. 5.
Hayes Telephone Co	F. Stemper	Coleman, Mich.
Hemlock Roadway Telephone Co	Geo. Hadwin	Tawas City, Mich.
Hemingway Independent Telephone Co	A. F. Jones	Stanton, R. No. 4.
Hendricks Twp. Telephone Co	Allen Parcels	Rexton, Box 25.
Hermansdale Roadway Telephone Co	Geo. Rilett	Beaverton, R. No. 3.
Henrietta Central Telephone Co	J. P. Spears	Jackson, R. No. 3.
Herrick Roadway Telephone Co	Geo. F. Gordenough	Clare, R. No. 2.
High Street Telephone Co	Perry Hall	Hastings, R. No. 8.
Highland Telephone Co	R. E. Kinney	Highland, Mich.
Hillside Telephone Co	Chas. Ogden	Harrietta, Mich.
Hinton Mutual Telephone Co	J. D. Fox	Lakeview, Mich.
Hitchcock Roadway Telephone Co	F. G. Millman	Scott, Mich.
Hoadley Line Telephone Co	S. C. Dawson	Three Oaks, Mich.
Hockstra Independent Telephone Co	J. R. Hack	McBride, R. No. 1.
Holbrook Roadway Co	John Barnes	New Buffalo, R. No. 1.
Home Telephone Co	O. Anderson	Wyman, Mich.
Home Telephone Co	Hiram Roose	Edmore, Mich.
Holly Center Telephone Co	Andrew L. Huzet	Holly, R. No. 2.
Hope Improvement Telephone Co	James A. Davids	Hope, Mich.
Horton Bay Telephone Co	Albert West	Boyne City, Mich.
Horton Telephone Co	W. A. Richardson	Horton, Mich.
Horton Valley Telephone Co	Chas. Friend	Boyne City, R. No. 2.
Horr Telephone Co	Frank Benn	Weidman, R. No. 1.
Hulse Telephone Co., Jacob	John G. Dreger	Carp Lake, Mich.
Hunters Creek Telephone Co	M. C. Jitsworth	Hunters Creek.
Husel Roadway Telephone Co	C. Z. Husel	St. Clair, Mich.
I.		
Ingersoll Rural Telephone Co	A. J. Franklin	Midland, R. No. 7.
Independent Roadway No. 2	Porter C. Smith	Clinton, Mich.
Iosco & Arenac Telephone Co	Geo. W. Schroeder	Turner, Mich.
Irish Roadway Telephone Co	Joseph F. Moss	Lennon, R. No. 1.
Iron Bridge Roadway Telephone Co	Chas. D. Holland	Marine City, Mich.
Iron Clad Independent Telephone Co	N. P. Nidsen	McBrides, Mich.
Iron Creek Telephone Co	J. W. Schaible	Manchester, R. No. 4.
Irving Telephone Co	Fred Seeber	Irving.
Isabella Mutual Telephone Co	Page Wilt	Coleman, Mich.
J.		
Jackson Roadway Co	E. G. Findley	Albion, R. No. 3.
Jackson Street Independent Telephone	Jas. Spiker	Wheeler, R. No. 3.
Jasper Telephone Co	R. G. Farnsworth	St. Louis, R. No. 2.
Jonesfield Independent Telephone Co	Jas. V. Toole	Merrill, Mich.
Junior Telephone Co	E. F. Spross	Okemos, Mich.
K.		
Kalamazoo Home Telephone Co	L. W. Stranton	122 E. North St., Kalamazoo, Mich.
Kaloka Roadway Telephone Co	Albert G. Beerson	Alma, R. No. 4.
Kelly Roadway Co	F. B. Kelly	Flushing, Mich.
Kendallville Telephone Co	M. J. Newsome	Lakeview, Mich.
Kerr Independent Telephone Co	Mae Parker	Ashley, R. No. 2.

Telephone Company.	Secretary.	Town.
K.		
Kimball Independent Telephone Co	Ludwig Jensen	Stanton, R. No. 4.
Kirby Lake Independent Telephone Co	Fred E. Foster	Blanchard, Mich.
King Roadway Telephone Co	N. Wm. Diem	St. Clair, Mich.
Klacking Creek Telephone Co	Jake Schmitt	West Branch, R .No. 2.
Knapp Roadway Telephone Co	G. A. Wigent	Watervliet, Mich.
Kobs Roadway Telephone Co	Andrew B. Lorenz	Tawas City, Mich.
Koss Longre Roadway Co	J. F. Bronoel	Stephenson, Mich.
L.		
Lafayette Roadway Telephone Co	Floyd Randall	Breckenridge, R. No. 4.
Lake Ann Oviatt Telephone Co	D. E. Pattengill	Empire, Mich.
Lake Ann Oviatt Telephone Co	A. R. Sattler	Empire, Mich.
Lake Independent Telephone Co	C. A. Powlison	Lake, Mich.
Lake & Osceola Co-Op. Telephone Co	G. J. McKee	Tustin, R. No. 1.
Lake Roadway Telephone Co	Fred Phillips	Stephenson, Mich.
Lakeside Independent Telephone Co	W. T. Collard	Lakeview, Mich.
Lakeview Telephone Co	Richard Hathaway	Hastings, R. No. 8.
Lakeview & Town Line Telephone Co	Frank Porter	Lakeview, Mich.
Lancaster Telephone Co	Sherman Arnold	Clinton, R. No. 2.
Lapeer Township Central Telephone Co	Arthur Morris	Lapeer, Mich.
Lapeer View Telephone Co	E. N. Watkins	Lapeer, Mich.
Larkin Rural Telephone Co	Hermann Pluss	Midland, R. No. 6.
Leslie Rural Telephone Co	I. B. Wright	Leslie, R. No. 3.
Leota Telephone Co	Mrs. C. E. Bell	Evart, Mich.
Lester Mutual Telephone Co	Frank Brown	Coldwater, R. No. 5.
LeRoy Rural Telephone Co	Oscar Lindstrom	LeRoy, Mich.
LeRoy Township Telephone Co	W. H. Thacker	LeRoy, R. No. 1.
Lincoln Heights Telephone Co	Fred Hammer	Reed City, R. No. 4.
Lindsay Roadway Telephone Co	Wm. J. Osterland	Marine City, Mich.
Line No. 14	Wm. L. Walter	Clinton, Mich.
Little Traverse Telephone Co	Royal Hathaway	Harbor Springs.
Little River Roadway Co	Otto C. Rudginsky	Menominee, Mich.
Little River Independent Telephone Co	W. J. Rusk	Mecosta, Mich.
Little River Telephone Co	W. C. Hand	Morley, Mich.
Littlefield Rural Telephone Co	J. A. Littlefield	Farwell, Mich.
Lone Pine Telephone Co	Herbert Weston	Lapeer, Mich.
Loomis & Crego Line Telephone Co	W. J. Crego	Brooklyn, Mich.
Long Lake Telephone Co	Arthur North	Traverse City, R. 36.
Long Lake Farmers Telephone Co	Robt. A. Burns	Harrison, Mich.
Long Roadway Telephone Co	Wm. Deadrick	Three Oaks, Mich.
Lucas Farmers Telephone Co	Henry Stahl	Lucas, Mich.
Luce, F. A. Telephone Co	F. A. Luce	Lake George, Mich.
Lum Telephone Co	Lucy Glanfid	Lum, Mich.
Luman & Curtis Telephone Co	W. H. Brugger	Coleman, Mich.
Luther & Hoxeyville Telephone Co	C. M. Nicholson	Luther, Mich.
M.		
McBride & Entrican Telephone Co	O. J. Houghton	Stanton, Mich.
McKnight Roadway Co	Harvey Atkins	Sault Ste. Marie, R. No. 2.
McDonald Independent Telephone Co	Oscar O. Northon	Clare, R. No. 3.
Mackinac County Telephone Co	Geo. A. Geneley	Engadine, Mich.
Manchester Roadway Telephone Co., No. 155	Miss L. E. Sanborn	Manchester, R. No. 2.
Manchester Roadway Telephone Co., No. 153	Wm. N. Martin	Manchester, Mich.
Manchester Roadway Telephone Co., No. 76	C. E. Horning	Manchester, Mich.
Mandlin Roadway Co	Henry Harmann	New Buffalo, R. No. 2.
Mansfield Roadway Co	Arthur Miller	Lapeer, Mich.
Mann's Siding Independent Telephone Co	Chas. Heber	Lake George, R. No. 1.
Maple Center Telephone Co	Glenn Boylan	Coral, Mich.
Maple City Rural Telephone Co	C. J. Bloom	Maple City, Mich.
Maple Grove Rural Telephone Co	R. E. Swift	Nashville, Mich.
Maple Grove Roadway Co	A. C. Slater	Lapeer, Mich.
Maple Grove Roadway Telephone Co	North Wesbrook	Marine City, Mich.
Maple Ridge Mutual Telephone Co	Arthur L. Tufveson	Tustin, Mich.
Maple Roadway Telephone Co	John Baker	Ithaca, R. No. 7.
Maple Valley Telephone Association	E. E. Erskin	Vestaburg, R. No. 2.
Marble Roadway Co	Thomas Murphy	Dafter, R. No. 1.
Market Roadway Telephone Co	Chris Eweng	Marine City, Mich.

Name.	Secretary.	Address.
M.		
Marsh Road Telephone Co	Estes Trumble	St. Clair, Mich.
Marsh Roadway Telephone Co	Geo. E. Warner	Algonac, Mich.
Martin Roadway Telephone Co	Joe Monroe	Plainwell, Mich.
Martin Roadway Telephone Co	Arthur Martin	Three Oaks, Mich.
Massey, Wm. Jr	Wm. Massey	Allenville, Mich.
Mayfield Center Telephone Co	Geo. McCormac	Lapeer, Mich.
Mayfield & Deerfield Telephone Co	M. L. Anderson	Lapeer, Mich.
Mayfield Telephone Co	Frank Hatherly	Lapeer, Mich.
Meadow Roadway Telephone Co	Abram Frank	Tawas City, R. No. 2.
Mecosta Roadway Co	Ralph Bender	Big Rapids, R. No. 3.
Mead Roadway Co	A. J. Leonardson	Mt. Clemens, Mich.
Metamora Telephone Co	E. A. Seeley	Metamora, Ohio.
Meridian Line Indepedent Telephone Co	Thos. O'Connor	Merrill, Mich.
Meridian Roadway Co	Walter Dennis	Sault Ste. Marie, 326 E. Sprice Street.
Merrill Independent Telephone Co	Henry Galligan	Merrill, Mich.
Michigan Ave. Roadway Telephone Co	F. H. Fellrath	Inkster, Mich.
Middle Branch Telephone Co	Ed. McNorton	Marion, Mich.
Milan Roadway Telephone Co	Chas. Dennison	Milan, Mich.
Miller Roadway Co	Doris Matson	Attica, Mich.
Miles Farm Telephone Co	Frank Addis	East Jordan, R. No. 1.
Millville Telephone Co	Wm. Tapham	Lapeer, Mich.
Mill Roadway Co	Edward Maedel	Adair, Mich.
Mirror Lake Telephone Co	Elmer E. Miller	Lapeer, R. No. 5.
Mitchell Roadway Telephone Co	Neil Kennedy	St. Clair, Mich.
Mizner Roadway Telephone Co	John Schriner	Marine City, Mich.
Monitor Independent Telephone Co	Isaac Russell	Breckenridge, Mich.
Monoskong Roadway Co	John Wright	Sault Ste. Marie, R. No. 1.
Mt. Bethel Roadway Line	Frank Preston	Holly, R. No. 1.
Monterey Telephone Co	Chas. Maxon	Hopkins, Mich.
Moscow & Jerome Telephone Co	L. Sigel	Moscow, Mich.
Mosherville Switchboard Association	Chas. A. Borden	Jonesville, Mich.
Mount Bethel Roadway Telephone Co	Chas. J. Measel	Holly, R. No. 1.
Morrell Roadway Co	U. G. Morrell	Plainwell, Mich.
Mt. Vernon Roadway Co	E. C. McClure	Rochester, Mich.
Munising, Marquette & S. E. R. R	H. A. St. Johns	Marquette, Mich.
Mutual Telephone Co	Henry Martin	Rosebush, R. No. 3.
Mutual Telephone Co	Henry Swem	Reed City, Mich.
Mutual Telephone Co	H. C. Weaver	Fulton, Mich.
N.		
Neier Telephone Co	F. W. King	Coleman, Mich.
Nessen City Roadway Telephone Co	E. H. Nix	Nessen City, Mich.
New Haven N. Bound Telephone Co	Chas. F. Denner	Richmond, R. No. 3.
North Baltimore Telephone Co	H. LaGear	Hastings, R. No. 4.
North Bound Roadway	Philip Schouck	Richmond, R. No. 3.
North Branch Independent Telephone Co	L. D. Lark	Barryton, Mich.
North Branch Telephone Co	Stephen Schamacher	Weidman, R. No. 2.
North Bradley Telephone Co	V. E. Childs	North Bradley.
North Cato Telephone Co	Wallace Edgar	Lakeview, Mich.
North Chester Telephone Co	F. W. Porter	Casnovia, Mich.
North Cooper Roadway	Geo. Borden	Plainwell, Mich.
North Dorr Telephone Co	Fred Rebone	Dorr, Mich.
Northeastern Wheeler Telephone Co	Charles Rhodes	Wheeler, Mich.
Northwestern Telephone Co	Emil Sandberg	Stephenson, R. No. 3.
North Emerson Telephone Co	C. E. Anderson	St. Louis, Mich.
North Flushing Roadway Telephone Co	E. W. Partridge	Flushing, R. No. 2.
North Gibson Telephone Co	Albert Wehemeyer	Bentley, Mich.
North Grant & Hersey Telephone Co	James Boyd	Hersey, Mich.
North Hersey Telephone Association	G. G. Schlegel	Hersey, Mich.
North Irving Farmer's Telephone Co	Fred Seeber	Hastings, Mich.
North Mayfield Roadway Co	Irving Weir	Lapeer, Mich.
North Morrice Telephone Co	G. T. Horton	Morrice, Mich.
Nook Roadway Telephone Co	Samuel Crocker	Algonac, Mich.
North Lake Telephone Co	Jas. S. Gorman	Chelsea, Mich.
North Line Telephone Co	Walter Rengsuegger	Lake, R. R. 2.

Te'ephone Company.	Secretary.	Qddress.
N.		
North Osceola Telephone Co	Fred Diehlman	Evart, R. R. 3.
North Oxford Rural Telephone Co	J. W. Sellick	Oxford, Mich.
North Paradise Telephone Association	John Beck	Kingsley, Mich.
North Quincy Telephone Co	B. Gilbert	Quincy, Mich.
North Riverton Telephone Co	Henry Dittmer	Scottville, R. R. 1.
North Rives & Leslie Telephone Co	H. B. Metcalf	Leslie, Mich.
North Rose Telephone Co	Chas. E. Kerton	Holly, R. R. 1.
North Town Line Roadway Co	W. Sabatte	Big Rapids, R. R. 4.
North Shade Telephone Co	S. A. Daniel	Ithaca, R. R. 1.
North Sherman Telephone Co	T. A. Bywater	Lake, R. R. 1.
Northwest Bethany Telephone Co	John Raberron	St. Louis, Mich.
Northwest Rutland Telephone Co	J. F. Mead	Hastings, R. R. 1.
Northwestern Telephone Co	Henry Donaldson	Stephenson, R. R. 3.
Northwestern Telephone Co	Peter Pell	Fremont, Mich.
Northwestern Telephone Co	R. B. Webster	Hudson, Mich.
Northwestern Mutual Telephone Co	Aug. J. Dennis	Ludington, Mich.
Northwest Lafayette Telephone Co	John English	Breckenridge, Mich.
Northwestern Rural Telephone Co	Alva Berry	Thomas, Mich.
North Wheatland Independent Telephone Co	Phillip Wermett	Remus, Mich.
North Winfield Telephone Co	H. H. Feightner	Howard City, Mich.
Norton Roadway Co	W. Roy Norton	Plainwell, Mich.
Norwalk Telephone Co	Guardy Anderson	Chief, Mich., R. D.
Norwood Telephone Co	A. A. Stafford	Charlevoix, Mich.
Nunda Roadway Telephone Co	Frank Nord	Wolverine, Mich.
O.		
Oak Grove Independent Telephone Co	Allen Beach	Vestaburg, Mich.
Oak Grove Roadway Telephone Co	R. Collins	Newaygo, Mich.
Oakwood Roadway Co	Enik Blom	Daggett, Mich.
O'Donnell Telephone Co	M. D. Falconer	Hastings, R. R. 3.
Okemos & Hastell Telephone Co	J. B. Park	Okemos, Mich.
Oregon Central Roadway Telephone Co	Wm. Porritt	Lapeer, Mich.
Orth Roadway Telephone Co	David Malcom	Clare, R. R. 4.
Oscoda State Roadway Telephone Co	W. H. Rosevear	West Branch, R. R. 3.
Otia Telephone Co	John Groover	Otia, Box 5.
Otter Creek Telephone Co	R. W. Griffith	Springport, Mich.
Owl Telephone Co	John Keiser	Manistee, Mich.
Oxford Rural Telephone Co	C. H. Parkhurst	Oxford, Mich.
P.		
Palestine Telephone Co	Chas. Peterson	Stephenson, Mich.
Paris-Big Rapids Telephone Co	Fred E. Hurst	Paris, Mich.
Park Ave. Telephone Co	Geo. McKay	Hersey, Mich.
Parker & Spring Telephone Co	E. B. Parker	Brooklyn, R. R. 3.
Peters Roadway Co	Julius Kaufman	Marine City, Mich.
Peach Lake Roadway Telephone Co	Fred J. Engles	West Branch, R. R. 3.
Peach Grove Telephone Co	A. L. Giles	St. Louis, Mich.
Peninsular Telephone Co	James A. Wilson	Ellsworth, Mich.
Peoples Telephone Co	Geo. E. Cavanaugh	McBain, Mich.
Petersville Independent Telephone Co	S. C. Larson	Edmore, Mich.
Phillips Roadway Telephone Co	Frank Kekeisen	Marine City, R. R. 3.
Pine Creek Telephone Co	Frank Russell	Lapeer, Mich.
Pine Grove Roadway Co	W. J. Smart	Sault Ste. Marie.
Pine Lake Peninsula Telephone Co	James McClure	East Jordan, Mich.
Pine River Independent Telephone Co	Chas. Huolett	Remus, Mich.
Pine River Independent Telephone Co	Walter W. Wilson	Breckenridge, Mich.
Pine River Roadway Co	Joe Brinker	St. Clair, Mich.
Pine River Telephone Association	Bert S. Kemp	Forest Hill, Mich.
Pine River Telephone Co	Harlow Hoyt	St. Louis, R. R. 5.
Pine Rest Roadway Co	David Knox	Sault Ste. Marie, Shunk Road.
Pinora Township Telephone Co	Fred Campbell	Reed City, Mich.
Pioneer Telephone Co	Edna Parkhurst	Alma, Mich.
Platte Lake Roadway Co	R. J. Ingleston	Beulah, Mich.
Plank Road Telephone Co	John Auschuetz	Tawas City, Mich.
Plank Road Independent Telephone Co	Gus. E. Wolansky	Wheeler, Mich.

Telephone Companies.	Secretary.	Address.
Plank Road Roadway Telephone Co	Fred Buchler	Marine City, Mich.
Pleasant Hill Telephone Co	Geo. O'Dell	Lake View, Mich.
Pleasant Hill Roadway Telephone Co	L. C. Quackenbush	West Branch, R. R. 3.
Pleasant Ridge Telephone Co	W. L. Kable	Hastings, R. R. 7.
Pleasant Rural Telephone Co	Jas. T. Lumley	Bear Lake, Mich.
Pleasant Valley Roadway Telephone Co	Erick Madsen	Menominee, R. R.
Pleasant Valley Independent Telephone Co	A. E. Stitsworth	Clare, Mich., R. R. 5.
Plum Creek Telephone Co	W. L. Farren	Lapeer, Mich.
Pogg & West Evart Telephone Co	Fred E. Peters	Hersey, Mich. R. R. 1.
Porter Township Telephone Co	Ernest Northup	Wheeler, Mich.
Port Oneida Farmers Telephone Co	Benj. Holland	Maple City, Mich.
Powell Roadway Telephone Co	M. R. Squier	Plainwell, Mich.
Prairieville Telephone Co	C. J. Adams	Prairieville, Mich.
Prescott Telephone Co	Simon Champagne	Prescott, Mich.
Progressive Telephone Co	Frank Zumbaugh	Harbor Springs, Mich.
Pug Street Roadway Telephone Co	A. Wuest	St. Clair, Mich.
Puttigut Roadway Co	Neil McMichael	St. Clair, Mich.
Q.		
Quarter Line Roadway Telephone Co	Cassius Gould	Fergus, Mich.
Quick Roadway Telephone Co	Jas. H. Patterson	Holly, Mich.
Quick Roadway Company	Wm. F. Donner	New Baltimore, Mich.
Quick Independent Telephone Co	E. A. Potter	Elwell, Mich.
R.		
Ramsey Telephone Line	W. F. Ramsey	Evart, Mich.
Ransomville Roadway Telephone Co	H. C. Ransom	Sault Ste. Marie, R. 2.
Randolph Telephone Co	Wm. Danielson	Le Roy, Mich.
Range Line Telephone Co	Chas. McKinnon	St. Clair, Mich.
Ranney Telephone Line	William Perrine	Rives Junction, Mich.
Rathbone Independent Telephone Co	Martin F. Miller	Breckenridge, R. R. 2.
Ray Center Telephone Co	F. E. Mills	Romeo, R. R. 4.
Readmond Township Telephone Co	David Gibson	Grass Village, Mich.
Redstone Telephone Co	George Miller	Breckenridge, R. R. 4.
Remus & Titus Independent Telephone Co	Guy Gage	Remus, Mich. R. R. 4.
Rice Roadway Telephone Co	Aug. Palmrenter	Frankenmuth, Mich.
Riceville Roadway Co	G. E. Gaskell	Albion, Mich. R. R. 3.
Rich Roadway Co	Mrs. W. Hammond	Elba, Mich.
Richardson Roadway Telephone Co	W. D. Richardson	Algonac, Mich.
Richland Township Telephone Co	Jacob DeBoer	Marion, Mich.
Richmond & Chase Telephone Co	Edwin Strand	Marion, Mich.
Ridge Independent Telephone Co	David Rath	Breckenridge, Mich.
Ridge Roadway Co	J. J. Campbell	Sault Ste. Marie, Mich.
Riverside Telephone Co	R. M. Michael	Lapeer, Mich.
Riverside Roadway Co	W. C. Oakes	Stephenson, Mich.
Riverside Telephone Company of McBain	W. C. Van Dusen	McBain, Mich.
Riverside Roadway Company	David S. Grier	Sault Ste. Marie, Hay Lake Road.
Riverside Roadway Co	Wm. Eppler	Utica, Box 124.
River Roadway Telephone Co	Carl Young	Spring Lake, Mich.
River Road Roadway Co	Frank Clark	Belleville, Mich.
River Roadway Telephone Co	D. W. Conklin	Marine City, Mich.
River Valley Roadway Telephone Co	Abner Willgard	Wolverine, Mich.
Riverton Center Telephone Co	Robert A. Wright	Ludington, R. R. 1.
Rock Lake Independent Telephone Co	Ira Evans	Vestaburg, R. R. 2.
Rondo Roadway Telephone Co	Fred Brudy	Wolverine, Mich.
Rose Center Telephone Co	Wm. Shuttleworth	Rose Center, Mich.
Rose Lake Telephone Co	H. B. Werner	LeRoy, Mich.
Roadway Circuit, No. 75	Jerome Vail	Ypsilanti, R. R. 1.
Royal Telephone Co	Bert Reek	Weidman, Mich.
Rural Co-Operative Telephone Co	H. L. Padelford	Quimby, Mich.
Rural Roadway Co	F. W. Savage	Belleville, Mich.
Rural Roadway Co	Wm. Sorenson	Menominee, Mich.
Rural Telephone No. 76 Manchester	Chas. E. Horning	Norvell, Mich.
Russian Street Telephone Co	John E. Bauer	Norvell, Mich.
Rutland Telephone Co	Francis Gorham	Shultz, Mich.

Telephone Companies.	Secretary.	Address.
S.		
St. Clair Roadway Telephone Co	Geo. D. Heidenfeldt	St. Clair, Mich..
St. Clair River Telephone Co	Alex Moore	St. Clair, Mich.
St. Helens Develop Co	Henry Carter	St. Helens, Mich.
Sage Roadway Telephone Co	Allen Hoffman	Gladwin, Mich.
Samble Telephone Co	H. L. Martin	Ludington, Mich.
Sawyerville Telephone Co	Chas. A. Heath	LeRoy, Mich.
Scutt Lake Telephone Co	John Elias	Weidman, R. R. 2.
Seymour Roadway Co	Robert McGrath	Sault Ste. Marie, Seymour Road.
Shay Road Telephone Co	Chas. M. Smith	Clarkston, R. R. 4.
Shelby Roadway Co	Christ Schultz	Utica, R. R. 4.
Sheriden Roadway Telephone Co	W. G. Lansing	Clare, R. R. 2.
Sheriden Center Telephone Co	Thomas Bazaire	Barryton, R. R. 2.
Sherman City Rural Telephone Co	H. J. Kruse	Sherman City, Mich.
Sherman Telephone Co	Elon Colburn	Scottville, R. R. 3.
Short Line Telephone Co	Samuel Hickle	St. Louis, Mich.
Shore Line Rural Telephone Co	C. H. Treat	Empire, Mich.
Shutz Telephone Co	J. V. Christy	Shutz, Mich.
Shunk Roadway Co	Herman Rich	Sault Ste Marie, Box 415.
Silver Creek Roadway Telephone Co	E. L. Bliss	Silver Creek, Mich.
Sirrine Independent Telephone Co	Thos. A. Sirrine	Midland, R. R. 2.
Slagle Telephone Co	Jesse Cole	Harrietta, R. R. 1.
Slingerland Roadway Telephone Co	Albert L. Blean	Alabaster, Mich.
Smith Roadway Co	Robert Brough	Romeo, Mich.
Smith Creek Roadway Co	J. F. Smith	Elba, Mich.
Somerset Center Telephone Co	John Weatherway	Somerset Center.
South Arcadia Roadway Telephone Co	Arthur McFaul	Ithaca, Mich.
South Bend Telephone Co	S. H. Slagle	Harrietta, Mich.
South Bennington Telephone Co	D. J. Greeman	Morrice, Mich.
South Belt Roadway Co	Thos. Bentner	New Buffalo, R. R. 1.
South Bethany Telephone Co	Newton Burns	St. Louis, R. R. 1.
South Breckenridge Telephone Co	Ernest Gillis	Breckenridge, Mich.
South Bunkerhill & North Henrietta	B. D. Grow	Stockbridge, R. R. 3.
South Burns Roadway Telephone Co	R. S. Arthur	Byron, Mich.
South Columbus Telephone Co	Mrs. Thomas Mackley	Richmond, R. R. 2.
South Deerfield Telephone Co	O. C. Boyce	Morley, R. R. 1.
Southeast Wheeler Independent Telephone Co	Leslie Hewitt	Wheeler, Mich.
South East Avon Telephone Co	Chas. G. Ladd	Rochester, Mich.
South East Lincoln Farmers Telephone Co	John Brandberg	Reed City, R. R. 3.
Southeast Leslie No. 7 Telephone Co	A. R. Miner	Leslie, Mich.
South End Telephone Co	Robert Horsell	West Branch, Mich.
South Ford River Telephone Co	Alford Nelson	Black River, R. R. 1.
South Fulton Rural Telephone Co	C. Craig	Perrinton, Mich.
South Galien Telephone Co	J. A. Renbanger	Galien, Mich.
South Gibson Telephone Co	E. W. Van Dyne	Bentley, Mich.
South Grant Telephone Co	Chas. Campbell	Freesoil, R. R. 1.
South Groverland Roadway Telephone Co	Byron Gaw	Holly, Mich.
South Hinton Telephone Co	Allie Lundsley	Lakeview, Mich.
South Manchester Telephone Line No. 70	Geo. R. Bowins	Manchester, Mich.
South Newkirk Telephone Co	C. A. Gray	Luther, Mich.
South Rutland Center Telephone Co	Jas. F. Waters	Hastings, Mich.
South Rose or 93 Holly Exchange	Noble Arnold	Holly, R. R. 4.
South Sidney Telephone Co	W. E. Drews	Sidney, R. R. 1.
South Town Line Roadway Co	John Stock	Metamora, Mich.
South West Vernon Roadway Co	Albert Willey	Rosebush, R. R. 2.
South West Springfield	Edward F. Cook	Davisburg, R. R. 1.
Springbrook Telephone Co	Albert Breithanpt	Cedar, R. R. 2.
Spring Creek Roadway Co	Wm. Rogers	Three Oaks, Mich.
Springport & Otter Creek Telephone Co	Ralph W. Griffith	Springport, Mich.
Standish Township Telephone Co	D. Miller	Standish, Mich.
Starr Telephone Co	W. J. Norris	Hastings, Mich.
Starr Line Telephone Co	Chas. Bengal	Weidman, R. R. 2.
Star Independent Telephone Co	A. J. Bucholtz	Lakeview, Mich.
Star Mutual Telephone Co	R. E. Russell	Luther, Mich.
Starville Roadway Co	Mrs. Jennie Worden	Algonac, R. R. 1.
Star Telephone Co	John Harnish	Dorr, R. R. 1.

Telephone Companies.	Secretary.	Address.
S.		
Star Rural Independent Telephone Co	F. H. Pitts	Barryton, Mich.
State Road Roadway Co	Martin Krauss	Menominee, Mich.
State Road Roadway Telephone Co	W. E. Sanderson	St. Charles, Mich.
State Road Telephone Co	Matt Stine	St. Clair, R. R. 3.
State Road Telephone Co	C. M. Stonell	Hastings, R. R. 7.
State Road Telephone Co. of Henrietta	W. W. Ford	Munith, R. R. 1.
State Road Independent Telephone Co	Carl G. Martin	St. Louis, Mich.
State Road Telephone Co	Orr Fisher	Woodland, R. R. 3.
Stevenson Lake Roadway Telephone Co	Albert Schug	Clare, R. R. 2.
Stevensburg Roadway Co	Robert Sutton	Dafter, Mich.
Stone Telephone Co	Floyd Allen	Wheeler, Mich.
Stoney Point Telephone Co	Bert Troutwine	Woodland, Mich.
Stoney Run Telephone Co	Josh E. Johnson	Holly, Mich.
Strine Lake Telephone Co	W. H. Hubble	Oxford, Mich.
Sturgeon Creek Telephone Co	Henry L. Mier	Midland, R. R. 6.
Suburban Telephone Co	B. S. Nevers	Stephenson, Mich.
Sugar Grove Telephone Co	Geo. D. Stark	Scottville, R. R. 3.
Summerville Telephone Co	Bert Carey	Lucas, Mich.
Summitt Telephone Co	R. C. Witle	Ludington, R. R. 1.
Sumner Rural Telephone Co	Arthur Hamlin	Elm Hall, R. R. 1.
Sumner Roadway Telephone Co	T. H. Butler	Sumner, Mich.
Sunny Side Roadway Telephone Co	W. H. Page	Alma, Mich.
Sunny Side Roadway Telephone Co	F. B. Richards	Cummins, Mich.
Swedish Telephone Co	Chas. Carlson	Tustin, Mich.
T.		
Ten Mile Roadway Telephone Co	Chas. Reibel	Royal Oak, Mich.
Theison Roadway Telephone Co	L. J. Theison	St. Clair, R. R. 2.
Thompson Roadway Telephone Co	Myron Babcock	Elba, Mich.
Three Oaks Telephone Co	J. P. Dawson	Three Oaks, Mich.
Toledo Beach Home	S. L. Wallace	Temperance, Mich.
Tompkins Exchange & Telephone Co	Albert Mann, President	Rives Junction, Mich.
Town Corner Telephone Co	Edward Peterson	Tustin, Mich.
Townline Independent Telephone Co. of Edmore	A. B. Thomas	Edmore, Mich.
Townline Telephone Co	H. Kesner	New Haven, Mich.
Town Line Telephone Co. of Ashley	Eugene A. Dilsworth	Ashley, Mich.
Town Line Telephone Co. of White Cloud	C. Gorham	White Cloud, Mich.
Town Line Telephone Co. of Evart	Roy Hillis	Sears, Mich.
Town Line Lake Telephone Co. of Big Rapids	W. R. Larson	Big Rapids, Mich.
Town Line & Lakeview Telephone Co	Frank Porter	Lake View, R. R. 3.
Town Line Roadway Telephone Co., Boyne City	Otto Brooks	Boyne City, Mich.
Town Line Roadway Telephone Co., St. Clair	Wm. G. Hurst	St. Clair, Mich.
Town Line Roadway Telephone Co., Flushing	Samuel Jones	Flushing, Mich.
Town Line Roadway Telephone Co., Manchester	Peter Ambs	Manchester, Mich.
Town Line Telephone Co., Breckenridge	Clinton Sawnel	Breckenridge, Mich.
Town Line Telephone Co., Sand Lake	Oscar E. Hansen	Sand Lake, Mich.
Town Line Roadway Telephone Co	Chester McFarland	Scottville, Mich.
Town Line Roadway Telephone Co., Tawas City	Henry Senical	Tawas City, Mich.
Town Line Telephone Company	E. B. Cheadle	Lake, R. R. 1.
Townsend, G. S.	G. S. Townsend	Six Lakes, Mich.
Trap Rock Mutual Telephone Co	A. Gagon	Lake Linden, Mich.
Tri-County Telephone & Supply Co	P. M. Stillman	Seney, Mich.
Trout Creek Telephone Co	W. H. Oliver	Howard City, Mich.
Trout Creek Roadway Co	S. E. Redding	Big Rapids, Mich.
Tuilt Roadway Telephone Co	A. L. Burroughs	Kalamazoo, R. R. 2.
U.		
Union Telephone Co	Albert Tien	Falmouth, Mich.
United Telephone Co	Dorothy E. Poll	Howell, Mich.
V.		
Van Tilburg Telephone Co	Edward Van Tilburg	Galien, Mich.
Valley Roadway Co	Fred Nielson	Attica, Mich.
Vernon Roadway Telephone Co	J. B. Phinisey	Clare, Mich.
Village Hill Telephone Co	Wm. D. Sargrant	Fremont, Mich.
Vine Street Roadway Telephone Co	W. H. Merrill	St. Clair, Mich.

Telephone Companies.	Secretary.	Bdd·ess.
W.		
Wakefield Telephone Co. Line	A. J. Braidwood	Hunters Creek, Mich.
Walnut Ridge Telephone Co	C. S. Welsh	Mason, R. R. 3.
Wallace Telephone Co	Anton Olson	Wallace, Mich.
Walter Roadway Telephone Co	Ambrose Winter	West Branch, Mich.
Walter Roadway Telephone Co	Harry Walter	Marine City, R. R. 1.
Wambold District Independent Telephone Co	John Steinman	Remus, Mich.
Waterloo Central Telephone Co	F. W. Redford	Munith, Mich.
Weatherby Telephone Co	Frank Weatherby	Howard City, Mich.
Wedel Roadway Telephone Co	Gregory Burger	Galien, Mich.
Weesan Roadway Telephone Co	Dwight Babcock	Galien, Mich.
Willston Telephone Co	Edward Norman	Willston, Mich.
West Amber Telephone Co	Hanna Crampton	Ludington, Mich., R. R. 2.
West Antrim Telephone Co	A. L. Beard	Morrice, Mich.
West Argentine Telephone Co	J. J. LaDue	Byron, Mich.
West Attica Telephone Co	Warren Webster	Attica, R. R. 2.
West Dorr Telephone Co	Pat Lynch	Dorr, Mich.
West Evart & Brasil Telephone Co	Harvey L. Hakes	Evart, R. R. 2.
West Farmers Telephone Co	Lena Moffit	Manton, R. R.
West Ferris Independent Telephone Co	Alton Keller	McBrides, Mich.
West Flushing Roadway Telephone Co	E. O. Porter	Flushing, R. R. 3.
West Genesee Roadway Telephone Co	Fred Parsell	Flushing, Mich.
West Gladwin Roadway Co	J. F. McKennan	Gladwin, Mich.
West Grout Roadway Telephone Co	B. J. Wheatly	Gladwin, R. R. 2.
West Line Telephone Co	William Schraeder	Royal Oak, Mich.
West Lapeer Roadway Co	Arthur Potter	Lapeer, Mich.
West Maple Grove Telephone Co	Clyde Walton	Morgan, Mich.
West Maple Grove Telephone Co	C. H. Charlton	Nashville, Mich.
West Meadow Roadway Telephone Co	William Wheeler	Tawas City, R. R. 1.
Westrick Roadway Telephone Co	Frank Cook	Holly, Mich.
West Rose Roadway Telephone Co	Chas. Hankinson	Holly, Mich.
West Rosebush Telephone Co	E. E. First	Rose Bush, Mich.
West Rutland Telephone Co	S. P. Healy	Hastings, R. R. 1.
West Sidney Telephone Co	Atus Bekke	Sidney, R. R. 1.
West Sumner Independent Telephone Co	J. L. Seaman	Riverdale, Mich.
West Town Line Telephone Co	Frank E. Davis	Lapeer, Mich.
West Traverse Telephone Co	Geo. Cook	Harbor Springs, Mich.
West Utica Roadway Co	Frank Schoonover	Utica, R. R. 2.
West Victory Telephone Co	J. F. Whitaker	Ludington, R. R. 5.
West Williams Independent Telephone Co	John Banknecht	Midland, R. R. 4.
White Fish Lake Telephone Co	Isaac Wilman	Curtis, Mich.
White Oak Telephone Co	Joseph McGuire	Rosebush, Mich.
White River Telephone Co	Ellen A. Walker	White Cloud, Mich.
White River Valley Telephone Co	A. C. Flint	White Cloud, Mich.
Wilber Roadway Telephone Co	L. B. Rodman	Wilber, Mich.
Wilcox Telephone Co	H. Stratton	White Cloud, Mich.
Willover Telephone Co	E. T. Burrow	Holly, Mich.
Willis Roadway Telephone Co	Summer Willis	Olivet, R. R. 3.
Williams County Telephone Co	F. W. White	Bryan, Ohio.
Wilson District Roadway Telephone Co	W. C. Hewitt	Galien, Mich.
Wisconsin Land and Lumber Co	G. W. Earle	Hermansville, Mich.
Wolverine Telephone Co	E. Trowbridge	Boon, Mich.
Woodman Independent Telephone Co	Frank C. Searl	Ashley, R. R. 1.
Wood Roadway Telephone Co	L. C. Wright	Flushing, Mich.
Wright Independent Telephone Co	Wesley Webb	Alma, R. R. 2.
Wright Roadway Telephone Co	Clyde A. Kershaw	Plainwell, Mich.
Y.		
Yankee Springs Center Telephone Co	Earl West	Middleville, R. R. 3.
Yankee Street Roadway Telephone Co	H. E. Potter	St. Clair, Mich.
Yond School Rural Telephone Co	W. H. Kinney	Ithaca, Mich.
Z.		
Zaring, D. L. Roadway Telephone Co	S. B. Hampton	Three Oaks, Mich.

STATISTICS

STEAM RAILROADS

FOR THE

YEAR ENDING DECEMBER 31, 1916.

TABLE NO. 1.—GENERAL BALANCE SHEET—ASSETS AT CLOSE OF YEAR.

Number.	Railroads.	Investments.				Current Assets.			
		Road and equipment including improvements on leased lines. (701-702)	Investment in affiliated companies. (706)	Sinking funds, other investments, miscellaneous. (703) (704) (705) (707)	Total investments.	Cash (708)	Special deposits (711)	Loans and bills receivable. (712)	Traffic and car service balance receivable. (713)
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry.	$592,924,679 29	$34,739,880 57	$3,605,270 60	$631,269,830 46	$7,729,759 59	$3,789,742 02	$444,971 75	$634,922 27
2	Chicago & Northwestern Ry. Co.	379,424,314 56	24,833,048 22	59,591,798 84	10,216,542 66	10,287,982 30	.....	1,712 35	156,313 08
3	Escanaba, Iron Mountain & West. R. R.	1,638,444 55	.....	.....	1,638,444 55	.....	.....	.....	.....
4	Copper Range Railroad Co.	7,132,126 89	.....	35,122 80	7,167,249 69	110,281 53	.....	.....	2,142 57
5	Duluth, South Shore & Atlantic Ry.	48,097,691 79	1,257,758 35	131,570 37	49,487,020 51	119,993 41	546,996 70	.....	325,914 07
6	Escanaba & Lake Superior R. R.	1,833,698 96	.....	.....	1,833,698 96	40,358 72	.....	.....	.....
7	Lake Superior & Ishpeming Ry.	3,857,703 76	.....	588 70	3,858,292 46	217,312 03	.....	.....	1,526 79
8	Manistique & Lake Superior R. R.	1,466,684 52	.....	.....	1,466,684 52	23,439 97	.....	.....	46 02
9	Mineral Range R. R.	3,604,358 09	350,000 00	29,664 55	3,984,022 64	36,212 78	.....	1,500 00	5,947 35
10	Hancock & Calumet R. R.	955,105 26	.....	.....	955,105 26	.....	.....	.....	.....
11	Minn., St. Paul & Sault Ste. Marie Ry.	117,362,296 69	21,427,010 92	2,804,294 93	141,593,602 54	8,886,886 40	.....	.....	436,308 00
12	Gogebic & Montreal River R. R.	1,120,000 00	.....	.....	1,120,000 00	.....	.....	.....	.....
13	Munising, Marquette & Southeast. Ry.	2,609,756 59	.....	128,076 22	2,737,832 81	7,196 40	.....	.....	8,102 08
14	Wisconsin & Michigan Ry.	4,675,632 54	301,800 00	.....	4,977,432 54	.....	.....	396,223 39	5,430 96
15	Ste. Marie Union Depot Co.	120,743 18	.....	.....	120,743 18	300 52	.....	.....	.....
	Total, Upper Peninsula	$1,166,823,236 67	$82,909,498 06	$12,693,768 05	$1,262,426,502 78	$27,459,723 65	$4,336,738 72	$844,407 49	$1,576,653 19
	Lower Peninsula.								
16	Ann Arbor R. R.	$17,501,754 54	$92,414 88	$1 00	$17,594,170 42	$159,378 53	$82,123 75	.....	$45,416 48
17	Boyne City, Gaylord & Alpena R. R.	1,329,658 47	.....	.....	1,329,658 47	13,843 06	.....	.....	.....
18	Chicago, Kalamazoo & Saginaw Ry.	1,252,416 00	.....	.....	1,252,416 00	85,321 09	.....	.....	.....
19	Cincinnati Northern R. R.	4,755,551 03	.....	10,656 65	4,766,207 68	192,011 51	20,560 00	.....	121,119 88
20	Cleve., Cin., Chi. & St. Louis Ry.	155,887,292 36	14,103,616 05	174,222 77	170,165,131 18	3,242,319 58	1,336,535 18	$14,184 67	1,469,026 70
21	Delray Connecting R. R.	819,555 46	.....	.....	819,555 46	30,483 31	.....	.....	51,809 07
22	Detroit, Bay City & Western R. R.	1,505,929 03	.....	.....	1,505,929 03	68,849 78	.....	109,171 04	.....
23	Detroit & Mackinac Ry.	6,526,979 08	.....	5,289 96	6,532,269 04	3,113 75	.....	.....	8,039 35
24	Detroit Terminal R. R.	2,046,643 72	.....	.....	2,046,643 72	181,703 15	.....	.....	.....
25	Detroit, Toledo & Ironton R. R.	21,586,692 94	9,451 90	207,900 00	21,804,044 84	363,725 55	.....	.....	34,866 06

TABLE NO. 1.—GENERAL BALANCE SHEET—ASSETS AT CLOSE OF YEAR.—Continued.

Number.	Railroads.	Investments.				Current Assets.			
		Road and equipment including improvements on leased lines. (701-702)	Investment in affiliated companies. (706)	Sinking funds, other investments, miscellaneous. (703) (704) (705) (707)	Total investments.	Cash (708)	Special deposits (711)	Loans and bills receivable. (712)	Traffic and car service balance receivable. (713)
26	Detroit & Toledo Shore Line R. R.	$4,637,145 10			$4,637,145 10	$503,356 91	$60,400 00		$102,205 82
27	Grand Rapids & Indiana Ry.	17,827,187 48	$260,053 31	$259,726 76	18,346,967 55	373,087 97	121,127 50	$682 05	65,977 20
28	Muskegon, Grand Rapids & Ind. R. R.	798,460 91		1 00	798,461 91		20,550 00		
29	Traverse City R. R.	664,912 48			664,912 48		4,470 00		
	Grand Trunk Railway System:								
30	Bay City Terminal Ry.	472,542 78			472,542 78				
31	Chi., Det. & Canada Gd. Tr. Jct. R. R.	3,681,978 91			3,681,978 91				
32	Chicago & Kalamazoo Ter. R. R.	379,306 86			379,306 86				
33	Cin., Sag. & Mackinaw R. R.	1,444,534 29			1,444,534 29				
34	Detroit, Grand Haven & Mil. Ry.	7,156,746 29			7,156,746 29	1,699 78			
35	Grand Rapids Terminal R. R.	620,620 93			620,620 93				
36	Grand Trunk Western Ry.	31,059,179 90	3,494,278 87	1,009,588 16	35,563,046 93	24,456 58			
37	Michigan Air Line Ry.	1,839,995 91			1,839,995 91				
38	Pontiac, Oxford & Northern R. R.	1,372,253 14			1,372,253 14				
39	St. Clair Tunnel Company	3,714,437 79			3,714,437 79				
40	Toledo, Saginaw & Muskegon Ry.	3,231,294 11			3,231,294 11				
41	Kalamazoo, Lake Shore & Chicago Ry.	442,418 91			442,418 91	28,474 44			857 76
42	Manistee & Northeastern R. R.	2,171,375 24		1,750 00	2,173,125 24	6,333 11		265 00	18,610 42
43	Michigan Central R. R.	88,375,760 47	10,578,402 40	970,502 23	99,924,665 10	3,094,283 81	22,307 50		960,015 07
44	Battle Creek & Sturgis Ry.	1,000,000 00			1,000,000 00				
45	Bay City & Battle Creek Ry.	a							
46	Canada Southern Bridge Co.	1,725,772 50		51,371 09	1,777,143 59				
47	Detroit & Bay City R. R.	a							
48	Detroit Belt Line R. R.	211,135 66		41,792 32	252,927 98				
49	Detroit, Delray & Dearborn R. R.	a							
50	Detroit Manufacturer's R. R.	291,371 75		4,500 00	295,871 75	3,521 07			
51	Detroit River Tunnel Co.	21,051,668 30			21,051,668 30	122,754 06			
52	Grand River Valley R. R.	a							
53	Jackson, Lansing & Saginaw R. R.	a							
54	Kalamazoo & South Haven R. R.	a							
55	Lansing Manufacturers R. R.	175,000 00			175,000 00				
56	Lansing Transit Ry.	19,256 64			19,256 64				
57	Michigan Air Line R. R.	a							

58	St. Clair & Western R. R.	120,000 00			120,000 00				
59	St. Joseph, S. Bend & Southern R. R.	745,514 02			745,514 02	6,177 24			
60	Toledo, Canada Southern & Det. Ry.	a							
61	New York Central R. R.	753,162,908 42	193,129,596 70	51,418,912 89	997,711,418 01	13,718,520 75	619,915 71	22,451 10	4,042,808 64
62	Detroit, Hills. & Southwestern R. R.	1,345,716 25	2,002 63		1,347,718 88	1,466 19	100 00		
63	Detroit, Toledo & Milwaukee R. R.	1,060,513 34			1,060,513 34				
64	Erie & Kalamazoo R. R.	300,000 00			300,000 00	3 58			
65	Fort Wayne & Jackson R. R.	2,727,548 00			2,727,548 00	349 69	3,630 17		
66	Kalamazoo, Allegan & Gd. Rap. R. R.	1,450,000 00			1,450,000 00				
67	Pere Marquette R. R.	91,729,653 93	4,549,220 91	309,115 45	96,587,990 29	2,854,323 06	71,327 10	22,821 98	393,884 37
68	Fort Street Union Depot Co.	2,355,564 18			2,355,564 18	12,012 62			
69	Wabash Railway	202,953,316 58	1,964,154 89	3,124,825 25	208,042,296 72	3,553,864 09	997 50	614 95	895,619 83
70	Detroit Union R. R. Dep. & Sta. Co.	2,330,962 49		52,743 51	2,383,706 00	16,489 62		37,000 00	
	Total, Lower Peninsula	$1,467,858,526 19	$228,183,192 54	$57,642,899 04	$1,753,684,617 77	$28,661,923 88	$2,364,044 41	$207,190 79	$8,210,256 65
	Railroads—Class III. Group U.								
71	Blaney & Southern Ry.	$111,378 38			$111,378 38				
72	Garden Bay Ry.								
73	Houghton, Chassell & Southwest R. R.	117,553 62			117,553 62	$73 00			
74	Keweenaw Central R. R.	867,090 82			867,090 82	2,792 61			$41 03
75	Ontonagon R. R.	43,657 15			43,657 15	750 13			
76	Quincy & Torch Lake R. R.								
77	Sault Ste. Marie Bridge Co.	2,166,969 31		$786 49	2,167,755 80	10,852 77			
	Group L.								
78	Arcadia & Betsey River Ry.	168,070 58		612 34	168,682 92	3,292 43			
79	Delray Terminal R. R.	154,289 48			154,289 48	4,800 26			
80	Detroit & Charlevoix R. R.	b							
81	Detroit & Huron R. R. (Gd. Trunk)	287,708 09			287,708 09				
82	East Jordan & Southern R. R.	345,239 39			345,239 39	240 10			
83	Empire & Southeastern R. R.	91,754 82			91,754 82				
84	Erie & Michigan Ry. & Nav. Co.	97,704 18		43,909 67	141,613 85	23,828 78			5,207 09
85	Ludington & Northern Ry.	71,933 48		15,145 66	87,079 14	992 04		$395 00	
86	Michigan East & West Ry.	311,640 93		3,383 09	315,024 02	334 85			
87	Port Huron Southern R. R.	64,904 78			64,904 78	27,577 40			1,362 00
88	Toledo-Detroit R. R.	729,307 08		15,600 00	744,907 08	44 10			
89	Traverse City, Leelanau & Manis. Ry.	309,752 54			309,752 54	2,115 08			
90	Wyandotte Southern R. R.	37,900 26			37,900 26	586 00			
91	Wyandotte Terminal R. R.	10,301 25			10,301 25	361 16			10,743 58
	Total, Class III	$5,987,156 14		$79,437 25	$6,066,593 39	$78,640 71		$395,00	$17,353 70

a. This company no longer in existence on December 31, 1916. Report is on file.
b. Merged with Michigan Central Railroad October 31, 1916.

TABLE NO. 1.—GENERAL BALANCE SHEET—ASSETS AT CLOSE OF YEAR.—Continued.

Number.	Railroads.	Current Assets.						Deferred Assets.	
		Net balance receivable from agents and conductors. (714)	Miscellaneous accounts receivable (715)	Materials and supplies. (716)	Interest and dividends receivable. (717)	Other current assets. (719)	Total.	Working fund advances. (720)	Insurance and other funds. (721)
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry	$2,351,461 88	$3,890,815 57	$8,936,810 66	$5,697,357 30	$433,590 70	$33,909,431 74	$233,304 67	$801,000 00
2	Chicago & Northwestern Ry	3,044,162 10	2,752,959 06	6,155,960 56		442,291 84	22,841,381 29	4,362,166 53	
3	Escanaba, Iron Mt. & Western R. R								
4	Copper Range Railroad Co	37,007 13	158,386 83	132,954 58		543 57	441,316 21		
5	Duluth, South Shore & Atlantic Ry	208,321 93	194,324 37	503,879 98			1,899,430 46	32 02	
6	Escanaba & Lake Superior R. R		31,077 65	10,123 49			81,559 86		
7	Lake Superior & Ishpeming Ry	2,540 85	23,855 91	167,685 97			412,921 55		
8	Manistique & Lake Superior R. R	20,159 23	23,604 34	6,253 49			73,503 05		
9	Mineral Range R. R	22,125 84	157,028 20	143,078 17			365,892 34	10 00	
10	Hancock & Calumet R. R								
11	Minneapolis, St. Paul & S. Ste. Marie Ry	1,368,695 36	926,212 88	1,981,786 72	130,372 67	188,494 74	a13,920,315 11	66,897 93	
12	Gogebic & Montreal River R. R								
13	Munising, Marquette & Southeastern Ry	29,046 51	69,457 31	77,159 54			190,961 84		
14	Wisconsin & Michigan Ry	6,804 22	12,655 78	9,282 00			430,396 35		
15	Ste. Marie Union Depot Co		7,197 26				7,497 78		
	Total, Upper Peninsula	$7,090,325 05	$8,247,575 16	$18,124,975 16	$5,827,729 97	$1,064,920 85	$74,574,607 58	$4,662,411 15	$801,000 00
	Lower Peninsula.								
16	Ann Arbor R. R	$65,603 68	$92,656 75	$172,565 50		$34,257 14	$652,001 83		
17	Boyne City, Gaylord & Alpena R. R	2,251 89	60,471 02	27,412 57		24,859 21	128,837 75	$290 00	
18	Chicago, Kalamazoo & Saginaw Ry	25,837 06	4,692 90	11,825 41			127,676 46		
19	Cincinnati Northern R. R	26,097 70	63,961 50	117,903 68			541,654 27	265 85	
20	Cleve., Cin., Chicago & St. Louis Ry	1,427,425 07	2,616,260 44	2,970,315 48		55,326 49	b13,134,253 73	11,995 94	
21	Delray Connecting R. R		7,705 50	23,474 05			113,471 93		
22	Detroit, Bay City & Western R. R	12,251 22	191 92			7 33	190,471 29		
23	Detroit & Mackinac Ry	22,600 95	11,329 63	90,627 12			c 161,248 61	170 81	
24	Detroit Terminal R. R	80,265 79	44,932 42	91,516 69			398,418 05		

25	Detroit, Toledo & Ironton R. R.	104,975 43	137,136 46	217,617 08		4,585 13	862,905 71	38 94	
26	Detroit & Toledo Shore Line R. R.	307,189 85	602,333 29	26,381 81		28,425 50	1,630,293 18	102 69	
27	Grand Rapids & Indiana Ry	215,286 67	136,803 34	493,677 01			1,406,641 74	1,412 73	
28	Muskegon, Grand Rapids & Indiana R. R.		126,463 96				147,013 96		
29	Traverse City R. R.						4,470 00		
	Grand Trunk Railway System:								
30	Bay City Terminal Ry								
31	Chi., Det. & Can., Gd. Tr. Jct. R. R.								
32	Chicago & Kalamazoo Terminal R. R.								
33	Cincinnati, Saginaw & Mackinaw R. R.					59,690 41	59,690 41		
34	Detroit, Grand Haven & Milwaukee Ry.					8 75	1,708 53		
35	Grand Rapids Terminal R. R.								
36	Grand Trunk Western Ry					2,956 27	27,412 85		
37	Michigan Air Line Ry								
38	Pontiac, Oxford & Northern R. R.					30,877 83	30,877 83		
39	St. Clair Tunnel Company								
40	Toledo, Saginaw & Muskegon Ry					36,229 00	36,229 00		
41	Kalamazoo, Lake Shore & Chicago Ry	4,370 75	820 16	9,788 02		645 67	44,956 80		
42	Manistee & Northeastern R. R.	15,143 07	17,836 42	54,239 43			112,427 45		
43	Michigan Central R. R.	3,654,475 90	1,716,910 87	5,161,929 10	$236,180 00		14,846,102 25	39,477 26	
44	Battle Creek & Sturgis Ry						d 1,250 00		
46	Canada Southern Bridge Co.								
48	Detroit Belt Line R. R.								
50	Detroit Manufacturers R. R.						3,521 07		
51	Detroit River Tunnel Company		120,907 76				243,661 82		
55	Lansing Manufacturer's R. R.								
56	Lansing Transit Ry								
58	St. Clair & Western R. R.								
59	St. Joseph, South Bend & Southern R. R.			8,777 18		1,666 67	16,621 09		
61	New York Central R. R.	7,929 209 10	13,183,074 35	20,341,321 13	3,098,666 62	421,499 08	f 63,393,593 24	198,349 32	$505,498 70
62	Detroit, Hillsdale & Southwestern R. R.						1,566 19		
63	Detroit, Toledo & Milwaukee R. R.								
64	Erie & Kalamazoo R. R.						3 58		
65	Fort Wayne & Jackson R. R.						3,979 86		
66	Kalamazoo, Allegan & Gd. Rapids R. R.								
67	Pere Marquette R. R.	799,652 39	881,719 66	1,547,023 33	11,382 16	103,386 55	6,685,520 60	18,466 50	
68	Fort Street Union Depot Co.	23 66	76,322 04	4,413 68		32,760 00	125,532 00		
69	Wabash Railway	1,726,005 21	1,571,331 90	2,521,198 90	22,200 00	467,442 03	e 10,773,674 41	18,633 94	
70	Detroit Union R. R. Dep. & Sta. Co.		5,786 57				59,276 29		
	Total, Lower Peninsula	$16,418,665 39	$21,479,648 96	$33,892,007 17	$3,368,428 78	$1,304,623 6	$115,966,963 78	$289,203 98	$505,498 70

a. Includes item 718 "Rents Receivable" $1,558.34.
b. Includes item 718 "Rents Receivable" $2,860.12.
c. Includes item 709 "Demand Loans and Deposits" $25,537.81.
d. Account 718, "Rents Receivable."
e. Includes $14,400.00 Rents Receivable.
f. Includes item 718 "Rents Receivable" $16,126.76.

TABLE NO. 1.—GENERAL BALANCE SHEET—ASSETS AT CLOSE OF YEAR.—Continued.

Number.	Railroads.	Current Assets.						Deferred Assets.	
		Net balance receivable from agents and conductors. (714)	Miscellaneous accounts receivable (715)	Materials and supplies. (716)	Interest and dividends receivable. (717)	Other current assets. (719)	Total.	Working fund advances. (720)	Insurance and other funds. (721)
	Railroad Classes III.								
	Group U.								
71	Blaney & Southern Ry								
72	Garden Bay Ry								
73	Houghton, Chassell & Southwestern R. R.		$240 79				$313 79		
74	Keweenaw Central R. R	$954 73	658 94	$2,295 89			6,743 20		
75	Ontonagon R. R		1,501 00				2,251 13		
76	Quincy & Torch Lake R. R								
77	Sault Ste. Marie Bridge Co		54,118 58			$253 65	65,225 00		
	Group L.								
78	Arcadia & Betsey River Ry	10 00	21 65				3,324 08		
79	Delray Terminal R. R		2,579 00				7,379 26		
81	Detroit & Huron R. R. (Gd. Trunk)								
82	East Jordan & Southern R. R		14,757 49	4,668 42			19,666 01		
83	Empire & Southeastern R. R								
84	Erie & Michigan Ry. & Nav. Co	471 07	4,041 33	3,706 10			37,254 37	$30 25	
85	Ludington & Northern Ry		958 25	712 06		1,100 00	4,157 35		
86	Michigan East & West Ry	3,431 82	1,914 67	16,932 19			22,613 53		
87	Port Huron Southern R. R		633 22	754 01			30,326 63		
88	Toledo-Detroit R. R		7,666 65			34,583 83	42,294 58		
89	Traverse City, Leelanau & Manis. Ry	2,947 97	261 93				5,324 98		
90	Wyandotte Southern R. R		40,917 50				41,503 50		
91	Wyandotte Terminal R. R			22,770 28			33,875 02		
	Total, Class III	$7,815 59	$130,271 00	$51,838 95		$35,937 48	$322,252 43	$30 25	

TABLE NO. 1.—GENERAL BALANCE SHEET—ASSETS AT CLOSE OF YEAR.—Continued.

Number.	Railroads.	Deferred assets.		Unadjusted Debits.					Grand Total.
		Other deferred assets (722)	Total.	Rents and insurance premiums paid in advance. (723)	Discount on capital stock. (724)	Discount on funded debt. (725)	Other unadjusted debits. (727)	Total.	
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry		$1,034,304 67				$2,799,523 82	$2,799,523 82	$669,013,090 69
2	Chicago & Northwestern Ry		4,362,166 53	$26,798 63			1,186,609 75	1,213,408 38	438,633,498 86
3	Escanaba, Iron Mt. & Western R. R.								1,638,444 55
4	Copper Range Railroad Co			1,600 00				1,600 00	7,610,165 90
5	Duluth, South Shore & Atlantic Ry		32 02	992 16			516,584 85	517,577 01	51,904,060 00
6	Escanaba & Lake Superior R. R.			1,719 14				1,719 14	1,916,977 96
7	Lake Superior & Ishpeming Ry			851 54			4,949 38	5,800 92	4,277,014 93
8	Manistique & Lake Superior R. R.			106 60			1,730 13	1,836 73	1,542,024 30
9	Mineral Range R. R.		10 00				343,442 98	343,442 98	4,693,367 96
10	Hancock & Calumet R. R.								955,105 26
11	Minneapolis, St. Paul & S. Ste. Marie Ry.		66,897 93			$552,405 90	132,098 14	684,504 04	156,265,319 62
12	Gogebic & Montreal River R. R.								1,120,000 00
13	Munising, Marquette & Southeastern Ry.			770 50	$1,621,583 62			1,622,354 12	4,551,148 77
14	Wisconsin & Michigan Ry	$431,962 52	431,962 52	972 45			134,523 11	135,495 56	5,975,286 97
15	Ste. Marie Union Depot Co								128,240 96
	Total, Upper Peninsula	$431,962 52	$5,895,373 67	$33,811 02	$1,621,583 62	$552,405 90	$5,119,462 16	$7,327,262 70	$1,350,223,746 73
	Lower Peninsula.								
16	Ann Arbor R. R.			$44,042 09			$98,581 76	a $150,007 66	$18,396,179 91
17	Boyne City, Gaylord & Alepna R. R.	$127,785 86	$128,075 86						1,586,572 08
18	Chicago, Kalamazoo & Saginaw Ry						948 15	948 15	1,381,040 61
19	Cincinnati Northern R. R.		265 85			$15,654 05	78,706 13	94,360 18	5,402,487 98
20	Cleveland, Cin., Chicago & St. Louis Ry.	521,135 85	533,131 79			63,562 94	1,016,097 62	1,079,660 56	184,912,177 26

a. Includes item 726, $7,383.81, "Property abandoned chargeable to operating expense."

TABLE NO. 1.—GENERAL BALANCE SHEET—ASSETS AT CLOSE OF YEAR.—Concluded.

Numbers.	Railroads.	Deferred assets.		Unadjusted Debits.					Grand Total.
		Other deferred assets (722)	Total.	Rents and insurance premiums paid in advance. (723)	Discount on capital stock. (724)	Discount on funded debt. (725)	Other unadjusted debits. (727)	Total.	
21	Delray Connecting R. R.								$933,027 39
22	Detroit, Bay City & Western R. R.			$123 78				$123 78	1,696,524 10
23	Detroit & Mackinac Ry.		$170 81	178 78				178 78	6,693,867 24
24	Detroit Terminal R. R.						$695,345 36	695,345 36	3,140,407 13
25	Detroit, Toledo & Ironton R. R.	$16,233 88	16,272 82	1,426 85		$117,300 01	1,491 00	120,217 86	22,803,441 23
26	Detroit & Toledo Shore Line R. R.	43,776 32	43,879 01	234 47			8,575 44	8,809 91	6,320,127 20
27	Grand Rapids & Indiana Ry.	8,742 02	10,154 75				127,040 39	127,040 39	19,890,804 43
28	Muskegon, Gd. Rapids & Indiana R. R.								945,475 87
29	Traverse City R. R.								669,382 48
	Grand Trunk Railway System:								
30	Bay City Terminal Ry.								472,542 78
31	Chi., Det. & Canada, Gd. Trunk Jct. R.R.			35 33	$116,015 33			116,050 66	3,798,029 57
32	Chicago & Kalamazoo Terminal R. R.								379,306 86
33	Cin., Saginaw & Mackinaw R. R.			884 94				884 94	1,505,109 64
34	Detroit, Grand Haven & Milwaukee Ry.	72,050 00	72,050 00	7,189 29			250 00	7,439 29	7,237,944 11
35	Grand Rapids Terminal R. R.								620,620 93
36	Grand Trunk Western Ry.			34,704 21		1,419,715 35		1,454,419 56	37,044,879 34
37	Michigan Air Line Ry.			13 17				13 17	1,840,009 08
38	Pontiac, Oxford & Northern R. R.			600 80				600 80	1,403,731 77
39	St. Clair Tunnel Company				350,000 00			350,000 00	4,064,437 79
40	Toledo, Saginaw & Muskegon Ry.			653 62				653 62	3,268,176 73
41	Kalamazoo, Lake Shore & Chicago Ry.			237 90				237 90	487,613 61
42	Manistee & Northeastern R. R.				1,474,234 03			1,474,234 03	3,759,786 72
43	Michigan Central R. R.	26,813 64	66,290 90	176 80		794,626 05	416,661 83	1,211,464 68	116,048,522 93
44	Battle Creek & Sturgis Ry.								1,001,250 00
46	Canada Southern Bridge Co.								1,777,143 59
48	Detroit Belt Line R. R.								252,927 98
50	Detroit Manufacturers R. R.								299,392 82
51	Detroit River Tunnel Company								21,295,330 12
55	Lansing Manufacturers R. R.								175,000 00
56	Lansing Transit Ry.								19,256 64
58	St. Clair & Western R. R.								120,000 00

59	St. Joseph, South Bend & Southern R. R.								762,135 11
61	New York Central R. R.	4,521,463 92	5,225,311 94	82,920 85		6,652,500 97	3,853,313 04	10,588,734 86	1,076,919,058 05
62	Detroit, Hillsdale & Southwestern R. R.								1,349,285 07
63	Detroit, Toledo & Milwaukee R. R.								1,060,513 34
64	Erie & Kalamazoo R. R.								300,003 58
65	Fort Wayne & Jackson R. R.								2,731,527 86
66	Kalamazoo, Allegan & Gd. Rapids R. R.								1,450,000 00
67	Pere Marquette R. R.		18,466 50	23,805 72			365,468 00	389,273 72	103,681,251 11
68	Fort Street Union Depot Co.	140 73	140 73						2,481,236 91
69	Wabash Railway		18,633 94	12,011 19		694 00	185,270 90	197,976 09	219,032,581 16
70	Detroit Union R. R. Dep. & Sta. Co.								2,442,982 29
	Total, Lower Peninsula	$5,338,142 22	$6,132,844 90	$209,239 79	$1,940,249 36	$9,064,053 37	$6,847,749 62	$18,068,675 95	$1,893,853,102 40
	Railroads Class III.								
	Group U.								
71	Blaney & Southern Ry.								$111,378 38
72	Garden Bay Ry.								
73	Houghton, Chassell & Southwestern R. R.								117,867 41
74	Keweenaw Central R. R.			$18 68				$18 68	873,852 70
75	Ontonagon R. R.								45,908 28
76	Quincy & Torch Lake R. R.								
77	Sault Ste. Marie Bridge Co.								2,232,980 80
	Group L.								
78	Arcadia & Betsey River Ry.	$236 84	$236 84						172,243 84
79	Delray Terminal R. R.								161,668 74
81	Detroit & Huron R. R. (Gd. Trunk)			221 25				221 25	287,929 34
82	East Jordan & Southern R. R.								364,905 40
83	Empire & Southeastern R. R.								91,754 82
84	Erie & Michigan Ry. & Nav. Co.		30 25				$165 95	165 95	179,064 42
85	Ludington & Northern Ry.								91,236 49
86	Michigan East & West Ry.			421 37			$1,263 17	1,684 54	339,322 09
87	Port Huron Southern R. R.								95,231 41
88	Toledo-Detroit R. R.					$24,799 00		24,799 00	812,000 66
89	Traverse City, Leelenaw & Manis. Ry.								315,077 52
90	Wyandotte Southern R. R.								79,403 76
91	Wyandotte Terminal R. R.			136 44				136 44	44,312 71
	Total, Class III	$236 84	$267 09	$797 74		$24,799 00	$1,429 12	$27,025 86	$6,416,138 77

TABLE NO. 1.—GENERAL BALANCE SHEET—LIABILITIES AT CLOSE OF YEAR.

Number.	Railroads.	Stock.	Governmental grants. (754)	Long-term debt.	Current liabilities. Loans and bills payable. (758)	Traffic and car service balances payable. (759)	Audited accounts and wages payable. (760)	Miscellaneous accounts payable. (761)	Interest matured unpaid. (762)
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry	a$233,287,983 87	$2,654 23	$356,070,254 66	$1,900,000 00	$1,249,090 19	$8,110,342 69	$657,199 88	$8,298,450 54
2	Chicago & Northwestern Ry	b152,606,806 57	.....	205,909,500 00	.....	2,292,466 60	4,229,893 43	277,464 31	742,756 34
3	Escanaba, Iron Mt. & Western R. R. Co.	50,000 00	.....	1,588,444 55	.....	.....	.....	.....	.....
4	Copper Range Railroad Co	4,244,300 00	.....	2,280,000 00	.....	47,314 89	22,422 62	.....	.....
5	Duluth, South Shore & Atlantic Ry	22,000,000 00	.....	21,578,600 00	.....	178,772 70	457,904 23	.....	9,544,335 18
6	Escanaba & Lake Superior R. R.	693,000 00	.....	.....	310,000 00	.....	13,616 73	.....	.....
7	Lake Superior & Ishpeming Ry	1,000,000 00	.....	1,176,000 00	45,000 00	724 82	10,224 57	.....	.....
8	Manistique & Lake Superior R. R.	250,000 00	.....	1,100,000 00	18,143 90	25,113 55	16,721 27	.....	4,125 00
9	Mineral Range R. R.	1,500,000 00	.....	2,253,436 52	.....	22,309,70	357,493 93	.....	.....
10	Hancock & Calumet R. R.	350,000 00	.....	.....	.....	.....	.....	.....	.....
11	Minneapolis, St. Paul & S. Ste. Marie Ry.	c 37,822,536 04	.....	88,703,450 00	.....	360,543 90	1,975,092 34	164,811 04	1,450,382 50
12	Gogebic & Montreal River R. R.	600,000 00	.....	520,000 00	.....	.....	.....	.....	.....
13	Munising, Marquette & Southwestern Ry.	d 1,870,000 00	.....	1,160,000 00	1,208,270 50	16,041 26	26,651 43	321 09	.....
14	Wisconsin & Michigan Ry	1,488,200 00	.....	3,518,245 17	187,815 97	6,979 24	15,292 76	5,541 47	710,812 48
15	Ste. Marie Union Depot Co	75,000 00	.....	45,743 18	.....	.....	5,792 61	.....	.....
	Total, Upper Peninsula	$457,837,826 48	$2,654 23	$685,903,674 08	$3,669,230 37	$4,199,356 85	$15,241,448 61	$1,105,337 39	$20,750,862 04
	Lower Peninsula.								
16	Ann Arbor R. R.	$7,250,000 00	.....	$8,131,891 58	$55,000 00	$97,642 86	$416,690 51	$77,544 12	$87,225 00
17	Boyne City, Gaylord & Alpena R. R.	501,200 00	.....	10,000 00	194,685 51	17,005 90	4,473 06	262,670 71	.....
18	Chicago, Kalamazoo & Saginaw Ry	450,000 00	.....	1,268,000 00	.....	37,395 27	22,026 93	.....	.....
19	Cincinnati Northern R. R.	3,000,000 00	.....	1,387,000 00	.....	.....	204,382 82	1,260 69	20,560 00
20	Cleve., Cin., Chi. & St. Louis Ry	57,027,200 00	.....	107,109,413 11	1,500,000 00	1,032,461 52	3,656,422 01	28,911 15	1,130,089 86
21	Delray Connecting R. R.	800,000 00	.....	.....	.....	40,013 07	33,315 58	.....	.....
22	Detroit, Bay City & Western R. R.	450,000 00	.....	778,000 00	145,567 17	5,252 42	41,059 33	264 70	.....
23	Detroit & Mackinac Ry	2,950,000 00	.....	2,300,000 00	.....	.....	58,912 04	.....	.....
24	Detroit Terminal R. R.	373,000 00	.....	1,583,925 04	.....	.....	63,183 96	710 53	.....
25	Detroit, Toledo & Ironton R. R.	12,489,998 00	.....	8,955,318 00	.....	195,784 66	345,578 96	54,612 90	.....

26	Detroit & Toledo Shore Line R. R.	1,428,000 00		3,000,000 00		88,412 87	63,849 26	70,902 14	60,400 00
27	Grand Rapids & Indiana Ry	5,791,700 00		10,523,000 00	50,000 00	402,654 89	375,788 95	261,858 99	121,127 50
28	Muskegon, Gd. Rapids & Indiana R. R.	20,000 00		750,000 00					20,550 00
29	Traverse City R. R.	205,000 00		462,500 00				5,373 06	4,470 00
	Grand Trunk Railway System:								
30	Bay City Terminal Ry	15,000 00		457,542 78					
31	Chicago, Det. & Can. Gd. Tr. Jct. R. R.	1,095,000 00		916,852 78					
32	Chicago & Kalamazoo Terminal R. R.	100,000 00		279,306 86					
33	Cincinnati, Saginaw & Mackinaw R. R.	1,500,000 00							
34	Detroit, Grand Haven & Milwaukee Ry.	1,500,000 00		5,230,209 60					7,610 21
35	Grand Rapids Terminal R. R.	50,000 00		570,620 93					
36	Grand Trunk Western Ry	6,000,000 00		29,687,939 72					259,538 69
37	Michigan Air Line Ry	300,000 00		39,595 91					
38	Pontiac, Oxford & Northern R. R.	1,000,000 00							
39	St. Clair Tunnel Company	700,000 00	$375,000 00	2,500,000 00					
40	Toledo, Saginaw & Muskegon Ry	1,600,000 00		1,662,000 00					
41	Kalamazoo, Lake Shore & Chicago Ry	37,400 00		390,000 00	19,500 00	16,048 64	10,991 13	1,157 46	185,250 00
42	Manistee & Northeastern R. R.	2,000,000 00		1,212,000 00	130,000 00	17,138 82	75,770 78		
43	Michigan Central R. R.	18,736,400 00		53,915,193 92	4,288,901 83	1,477,161 58	4,849,489 70	93,958 73	27,575 00
44	Battle Creek & Sturgis Ry	500,000 00		500,000 00					
46	Canada Southern Bridge Co	450,000 00							
48	Detroit Belt Line R. R.	100,000 00		152,927 98					
50	Detroit Manufacturer's R. R.	300,000 00							
51	Detroit River Tunnel Company	3,000,000 00		18,000,000 00			803 14		
55	Lansing Manufacturers R. R.	100,000 00		75,000 00					
56	Lansing Transit Ry	2,000 00		17,256 64					
58	St. Clair & Western R. R.	120,000 00							
59	St. Joseph, South Bend & Southern R. R.	644,000 00							
61	New York Central R. R.	249,590,460 00		673,070,216 82	4,502,450 00	4,492,351 94	14,945,132 05	3,082,721 00	2,868,195 26
62	Detroit, Hillsdale & Southwestern R. R.	1,350,000 00							
63	Detroit, Toledo & Milwaukee R. R.	1,060,000 00							
64	Erie & Kalamazoo R. R.	300,000 00							
65	Fort Wayne & Jackson R. R.	2,727,548 00							
66	Kalamazoo, Allegan & Gd. Rapids R. R.	610,000 00		840,000 00					
67	Pere Marquette R. R.	e 27,727,210 00		77,068,941 70	656,092 80	1,064,391 24	1,499,862 12	181,541 10	13,956,668 21
68	Fort Street Union Depot Co	1,000,000 00		1,329,000 00			46,831 88		32,760 00
69	Wabash Railway	138,484,440 21		65,592,909 23		1,098,679 47	3,237,373 19	593,071 84	275,809 49
70	Detroit Union R. R. Dep. & Sta. Co.	2,250,000 00					596 90		
	Total, Lower Peninsula	$557,685,556 21	$375,000,00	$950,759,160 66	$11,542,197 31	$10,082,395 15	$29,952,534 30	$4,716,559 12	$19,057,829 22

a. Includes item 753, "Premium on Capital Stock" $36,183.87.
b. Includes "Scrip" $2,648.82, also item 753, "Premium on Capital Stock" $29,657.75.
c. Includes item 753, "Premium on Capital Stock" $12,336.04.
d. Includes item 753, "Premium on Capital Stock" $25,650.00.
e. Includes $1,400,000.00. Lake Erie & Detroit River Common Stock. Also item 752, "Stock Liability for Conversion" $33,600.00.

TABLE NO. 1.—GENERAL BALANCE SHEET—LIABILITIES AT CLOSE OF YEAR.—Continued.

Number.	Railroads.	Stock.	Governmental grants. (754)	Long-term debt.	Current liabilities. Loans and bills payable. (758)	Traffic and car service balances payable. (759)	Audited accounts and wages payable. (760)	Miscellaneous accounts payable. (761)	Interest matured unpaid. (762)
	Railroads Class III.								
	Group U.								
71	Blaney & Southern R. R.	$75,000 00		$36,378 38					
72	Garden Bay Ry.								
73	Houghton, Chassell & Southwestern R. R.	50,000 00			$25,000 00		$89 31	$36,673 88	
74	Keweenaw Central R. R.	730,000 00			149,346 40	$1,976 59	8,898 88	53,264 36	$104 50
75	Ontonagon R. R.	30,000 00			7,000 00			969 82	
76	Quincy & Torch Lake R. R.								
77	Sault Ste. Marie Bridge Co.	1,000,000 00		577,000 00			250 00	266,969 31	14,425 00
	Group L.								
78	Arcadia & Betsey River Ry.	150,000 00			13,834 44		1,608 97	1 57	
79	Delray Terminal R. R.	50,000 00						170,678 27	
81	Detroit & Huron R. R. (Gd. Trunk)	148,000 00							
82	East Jordan & Southern R. R.	250,000 00						1,911 84	
83	Empire & Southeastern R. R.			91,754 82					
84	Erie & Michigan Ry. & Nav. Co.	92,705 00			1,511 55	1,049 49			
85	Ludington & Northern R. R.	15,000 00		30,000 00	1,234 66		627 89	40,251 36	
86	Michigan East & West Ry.	200,000 00			90,968 67	3,252 79	12,177 27	12,838 29	3,695 30
87	Port Huron Southern Ry.	50,000 00							
88	Toledo-Detroit R. R.	300,000 00		460,000 00	42,500 00		48 30		7,666 64
89	Traverse City, Leelenau & Manis. Ry.	278,000 00		6,941 10	5,721 40	1,752 09		769 68	
90	Wyandotte Southern R. R.	25,000 00			11,000 00			42,835 84	
91	Wyandotte Terminal R. R.	10,000 00					3,799 88	66,345 83	
	Total Class III.	$3,453,705 00		$1,202,074 30	$348,117 12	$8,030 96	$27,500 50	$693,510 05	$25,891 44

TABLE NO. 1.—GENERAL BALANCE SHEET—LIABILITIES AT CLOSE OF THE YEAR.—Continued.

Number.	Railroads.	Current liabilities.							Other (total) deferred liabilities. (770)
		Dividends matured, unpaid. (763)	Funded debt matured, unpaid. (764)	Unmatured dividends declared. (765)	Unmatured interest accrued. (766)	Unmatured rents accrued. (767)	Other current liabilities. (768)	Total.	
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry	$5,527 50	$9,782 62		$1,185,944 72			$21,416,338 14	$666,728 67
2	Chicago & Northwestern Ry	2,728,602 70	662,900 00		1,909,491 66	$6,000 00	$349,250 56	13,198,825 60	190,914 01
3									
4	Copper Range Railroad Co				28,500 00		7,470 95	105,708 46	
5	Duluth, South Shore & Atlantic Ry		3,086,213 19		269,972 92			13,537,198 22	2,063 99
6	Escanaba & Lake Superior R. R							323,616 73	
7	Lake Superior & Ishpeming Ry				23,775 00			79,724 39	
8	Manistique & Lake Superior R. R							64,103 72	
9	Mineral Range R. R		120,215 02		1,500 00			501,518 65	
10	Hancock & Calumet R. R								
11	Minneapolis, St. Paul & S. Ste. Marie Ry	9,676 00			138,961 33		407,808 11	4,507,275 22	
12	Gogebic & Montreal River R. R								
13	Munising, Marquette & Southeastern Ry				5,766 65			1,257,050 93	
14	Wisconsin & Michigan Ry						5,900 10	932,342 02	161,620 00
15	Ste. Marie Union Depot Co							5,792 61	
	Total, Upper Peninsula	$2,743,806 20	$3,879,110 83		$3,563,912 28	$6,000 00	$770,429 72	$55,929,49 4 69	$1,021,326 67
	Lower Peninsula.								
16	Ann Arbor R. R				$44,665 83			$778,768 32	$23,669 15
17	Boyne City, Gaylord & Alpena R. R		$56,400 00		1,112 47		$114,246 47	650,594 12	
18	Chicago, Kalamazoo & Saginaw Ry							59,422 20	473 12
19	Cincinnati Northern R. R			$90,000 00	6,450 00		113,218 31	435,871 82	4,799 31
20	Cleve., Cin., Chi. & St. Louis Ry	$19,959 62		124,981 25	448,603 15	$99,685 32	87,191 08	8,128,304 96	84,044 81
21	Delray Connecting R. R							73,328 65	
22	Detroit, Bay City & Western R. R				9,792 34	450 00		202,385 96	
23	Detroit & Mackinac Ry				7,666 67			66,578 71	
24	Detroit Terminal R. R							63,894 49	88,895 84
25	Detroit, Toledo & Ironton R. R				10,392 04			606,368 56	26,182 68

TABLE NO. 1.—GENERAL BALANCE SHEET—LIABILITIES AT CLOSE OF THE YEAR.—Continued.

Number.	Railroads.	Current liabilities.							Other (total) deferred liabilities. (770)
		Dividends matured, unpaid. (763)	Funded debt matured, unpaid. (764)	Unmatured dividends declared. (765)	Unmatured interest accrued. (766)	Unmatured rents accrued. (767)	Other current liabilities. (768)	Total.	
26	Detroit & Toledo Shore Line R. R.							$283,564 27	$850 00
27	Grand Rapids & Indiana Ry				$52,500 00		$1,204 77	1,265,135 10	11,900 85
28	Muskegon, Gd. Rapids & Indiana R. R.							20,550 00	
29	Traverse City R. R.							9,843 06	
	Grand Trunk Railway System:								
30	Bay City Terminal Ry								
31	Chicago, Det. & Can. Gd. Tr. Jct. R. R.		$1,786,141 46				35 33	1,786,176 79	
32	Chicago & Kalamazoo Terminal R. R.								
33	Cincinnati, Saginaw & Mackinaw R. R.								
34	Detroit, Grand Haven & Milwaukee Ry		236,333 71		77,985 00		96,940 59	418,869 51	285,000 00
35	Grand Rapids Terminal R. R.								
36	Grand Trunk Western Ry		850 00				31,032 23	291,420 92	1 00
37	Michigan Air Line Ry		1,500,400 00				13 17	1,500,413 17	
38	Pontiac, Oxford & Northern R. R.		400,000 00					400,000 00	
39	St. Clair Tunnel Company						133,809 08	133,809 08	
40	Toledo, Saginaw & Muskegon Ry								
41	Kalamazoo, Lake Shore & Chicago Ry				4,875 00		724 05	238,546 28	
42	Manistee & Northeastern R. R.							222,909 60	
43	Michigan Central R. R.	$4,506 00	2,000 00	$374,728 00	346,993 99	$460,075 20		11,925,390 03	1,991,770 92
44	Battle Creek & Sturgis Ry				1,250 00			1,250 00	
46	Canada Southern Bridge Co		1,000,000 00					1,000,000 00	
48	Detroit Belt Line R. R.								
50	Detroit Manufacturer's R. R.								
51	Detroit River Tunnel Company	90,000 00						90,803 14	
55	Lansing Manufacturer's R. R.								
56	Lansing Transit Ry								
58	St. Clair & Western R. R.								
59	St. Joseph, South Bend & Southern R. R.					1,666 67		1,666 67	103,291 80
61	New York Central R. R.	164,795 33	7,790 00	3,116,657 50	5,257,496 45	803,816 21	2,098,366 40	41,339,772 14	15,654,009 71
62	Detroit, Hillsdale & Southwestern R. R.	100 00						100 00	
63	Detroit, Toledo & Milwaukee R. R.								

64	Erie & Kalamazoo R. R.								
65	Fort Wayne & Jackson R. R.	3,630 17						3,630 17	
66	Kalamazoo, Allegan & Gd. Rapids R. R.								
67	Pere Marquette R. R.		7,125,883 96		604,601 50	71,743 52	98,964 48	25,259,748 93	128,849 32
68	Fort Street Union Depot Co.						30,000 00	109,591 88	13,750 00
69	Wabash Railway		2,200 00	462,000 00	672,830 41	156,075 06	408,016 75	6,906,056 21	27,267 05
70	Detroit Union R. R. Dep. & Sta. Co.							596 90	
	Total, Lower Peninsula	$282,991 12	$12,117,999 13	$4,168,366 75	$7,547,214 85	$1,593,511 98	$3,213,762 71	$104,275,361 64	$18,444,755 86
	Railroads Class III.								
	Group U.								
71	Blaney & Southern Ry.								
72	Garden Bay Ry.								
73	Houghton, Chassell & Southwestern R. R.							$61,763 19	
74	Keweenaw Central R. R.							213,590 73	
75	Ontonagon R. R.							7,969 82	
76	Quincy & Torch Lake R. R.								
77	Sault Ste. Marie Bridge Co.							281,644 31	
	Group L.								
78	Arcadia & Betsey River Ry.							15,444 98	
79	Delray Terminal R. R.							170,678 27	
81	Detroit & Huron R. R. (Gd. Trunk)						$139,929 34	139,929 34	
82	East Jordan & Southern R. R.							1,911 84	
83	Empire & Southeastern R. R.								$7,840 85
84	Erie & Michigan Ry. & Nav. Co.							2,561 04	
85	Ludington & Northern Ry.				$450 00		1,473 61	44,037 52	
86	Michigan East & West Ry.						1,387 72	124,320 04	
87	Port Huron Southern R. R.								
88	Toledo-Detroit R. R.							50,214 94	
89	Traverse City Leelanau & Manis. Ry.						34,393 90	42,637 07	
90	Wyandotte Southern R. R.							53,835 84	
91	Wyandotte Terminal R. R.							70,145 71	
	Total, Class III				$450 00		$177,184 57	$1,280,684 64	$7,840 85

TABLE NO. 1.—GENERAL BALANCE SHEET—LIABILITIES AT CLOSE OF YEAR.—Continued.

Number.	Railroads.	Unadjusted credits.								
		Tax liability (771)	Premium on funded debt. (772)	Insurance and casualty reserves. (773)	Operating reserves. (774)	Accrued depreciation —Road. (775)	Accrued depreciation —Equipment. (776)	Accrued depreciation miscellaneous physical property. (777)	Other unadjusted credits. (778)	Total.
	Upper Peninsula.									
1	Chicago, Milwaukee & St. Paul Ry	$240,773 69		$2,799,265 43			$10,239,458 02		$1,446,389 42	$14,725,886 56
2	Chicago & Northwestern Ry	823,367 70	$1,013,126 61				11,424,891 97		703,196 36	13,964,582 64
3										
4	Copper Range Railroad Co	51,155 23			$4,353 95	$93,211 95	161,700 00			310,421 13
5	Duluth, South Shore & Atlantic Ry	215,000 00				141,976 98	714,103 30		17,792 40	1,088,872 68
6	Escanaba & Lake Superior R. R	9,400 00				109,833 98	116,756 25			235,990 23
7	Lake Superior & Ishpeming Ry	38,794 47				275,300 80	401,364 65			715,459 92
8	Manistique & Lake Superior R. R	5,255 52					54,801 14		23,606 38	83,663 04
9	Mineral Range R. R	36,000 00					251,976 07		61 12	288,037 19
10	Hancock & Calumet R. R								302,136 71	302,136 71
11	Minneapolis, St. Paul & S. Ste. Marie Ry	1,150,250 79		87,793 65	181,992 43		3,718,720 25		198,464 49	5,337,221 61
12	Gogebic & Montreal River R. R									
13	Munising, Marquette & Southeastern Ry	31,448 44				241,348 39	304,871 21	$4,046 40	133 47	581,847 91
14	Wisconsin & Michigan Ry		10,726 51				89,254 71			99,981 22
15	Ste. Marie Union Depot Co	1,705 17								1,705 17
	Total, Upper Peninsula	$2,603,151 01	$1,023,853 12	$2,887,059 08	$186,346 38	$861,672 10	$27,477,897 57	$4,046 40	$2,691,780 35	$37,735,806 01
	Lower Peninsula.									
16	Ann Arbor R. R	$140,081 84					$254,593 54		$42,801 62	$437,477 00
17	Boyne City, Gaylord & Alpena R. R	4,792 12				$15,415 33	71,067 47			91,274 92
18	Chicago, Kalamazoo & Saginaw Ry						6,396 08		7,598 79	13,994 87
19	Cincinnati Northern R. R						110,208 44		15,012 01	125,220 45
20	Cleve., Cin., Chicago & St. Louis Ry		$13,109 66				4,800,918 61		1,371,146 61	6,185,174 88
21	Delray Connecting R. R	6,000 00					17,880 07	$23,219 32		47,099 39
22	Detroit, Bay City & Western R. R	10,817 55					10,967 68			21,785 23
23	Detroit & Mackinac Ry	82,185 74			$635 69	178,521 23	344,071 49			605,414 15
24	Detroit Terminal R. R				14,323 03		10,070 53		421,877 55	446,271 11
25	Detroit, Toledo & Ironton R. R	33,854 23			13,542 74		79,272 95		39,805 56	166,475 48

26	Detroit & Toledo Shore Line R. R.	43,091 34			141,684 89		166,406 08		441,739 49	792,921 80
27	Grand Rapids & Indiana Ry	8,700 00					494,162 75		23,254 62	526,117 37
28	Muskegon, Grand Rapids & Indiana						2,291 57			2,291 57
29	Traverse City R. R.									
	Grand Trunk Railway System:									
30	Bay City Terminal Ry									
31	Chicago, Detroit & Can. Gd.Tr.Jct.R.R									
32	Chicago & Kalamazoo Terminal R. R.									
33	Cincinnati, Saginaw & Mackinaw R. R.						5,109 64			5,109 64
34	Detroit, Grand Haven & Milwaukee Ry.						47,163 50			47,163 50
35	Grand Rapids Terminal R. R.									
36	Grand Trunk Western Ry						837,568 23			837,568 23
37	Michigan Air Line Ry									
38	Pontiac, Oxford & Northern R. R.						2,753 56			2,753 56
39	St. Clair Tunnel Company						17,077 94			17,077 94
40	Toledo, Saginaw & Muskegon Ry						4,441 73			4,441 73
41	Kalamazoo, Lake Shore & Chicago Ry	5,115 52			385 96		17,072 33			22,573 81
42	Manistee & Northeastern R. R.						86,347 16			86,347 16
43	Michigan Central R. R.				87,903 94	36,186 24	5,169,619 07	7,274 22	864,268 46	6,165,251 93
44	Battle Creek & Sturgis Ry									
46	Canada Southern Bridge Co.									
48	Detroit Belt Line R. R.									
50	Detroit Manufacturer's R. R.									
51	Detroit River Tunnel Company									
55	Lansing Manufacturer's R. R.									
56	Lansing Transit Ry									
58	St. Clair & Western R. R.									
59	St. Joseph, South Bend & Southern R. R.									
61	New York Central R. R.	944,319 62		313,561 14	362,421 51		27,638,046 20		2,363,931 60	31,622,280 07
62	Detroit, Hillsdale & Southwestern R. R.									
63	Detroit, Toledo & Milwaukee R. R.									
64	Erie & Kalamazoo R. R.									
65	Fort Wayne & Jackson R. R.									
66	Kalamazoo, Allegan & Gd. Rapids R. R.									
67	Pere Marquette R. R.	567,242 51			60,692 79		3,433,419 93		297,957 57	4,359,312 80
68	Fort Street Union Depot Co.									
69	Wabash Railway	827,136 83			182,565 89		380,434 05		900,976 37	2,291,113 14
70	Detroit Union R. R. Dep. & Sta. Co.								12,548 68	12,548 68
	Total, Lower Peninsula	$2,673;337 30	$13,109 66	$313,561 14	$864,156 44	$230,122 80	$44,007,360 60	$30,493 54	$6,802,918 93	$54,935,060 41

TABLE NO. 1.—GENERAL BALANCE SHEET—LIABILITIES AT CLOSE OF YEAR.—Continued.

Number.	Railroads.	Unadjusted credits.								
		Tax liability (771)	Premium on funded debt. (772)	Insurance and casualty reserves. (773)	Operating reserves. (774)	Accrued depreciation —Road. (775)	Accrued depreciation —Equipment. (776)	Accrued depreciation miscellaneous physical property. (777)	Other unadjusted credits. (778)	Total.
	Railroads Class III.									
	Group U.									
71	Blaney & Southern Ry						$1,932 52		$20,088 97	$22,021 49
72	Garden Bay Ry									
73	Houghton, Chassell & Southwestern R. R.						17,252 84			17,252 84
74	Keweenaw Central R. R					$43 13	21,570 82			21,613 95
75	Ontonagon R. R	$36 84					10,984 35			11,021 19
76	Quincy & Torch Lake R. R									
77	Sault Ste. Marie Bridge Co	10,200 00								10,200 00
	Group L.									
78	Arcadia & Betsey River Ry						10,895 60		350 91	11,246 51
79	Delray Terminal R. R							*$2,907 60*		*$2,907 60*
81	Detroit & Huron R. R. (Gd. Trunk)									
82	East Jordan & Southern R. R					86,957 32	24,682 91			111,640 23
83	Empire & Southeastern R. R									
84	Erie & Michigan Ry. & Nav. Co	2,631 09					20,452 60	25,049 74	2 64	48,136 07
85	Ludington & Northern Ry					8,738 82	3,275 65	2,075 30		14,089 77
86	Michigan East & West Ry	2,983 93					4,282 93		89,940 10	97,206 96
87	Port Huron Southern R. R	643 09					2,482 39			3,125 48
88	Toledo-Detroit R. R						3,422 64		2,413 07	5,835 71
89	Traverse City, Leelanau & Manis. Ry	17,836 67					280 77			18,117 44
90	Wyandotte Southern R. R	574 52					1,500 00			2,074 52
91	Wyandotte Terminal R. R	621 49								621 49
	Total, Class III	$35,527 63				$95,739 27	$123,016 02	$24,217 44	$112,795 69	$391,296 05

Reverse items appear in italic type.

TABLE NO. 1.—GENERAL BALANCE SHEET—LIABILITIES AT CLOSE OF YEAR.—Concluded.

Number.	Railroads.	Corporate surplus.							
		Additions to property through income and surplus. (779)	Funded debt retired through income and surplus. (780)	Sinking fund reserves. (781)	Miscellaneous fund reserves. (782)	Appropriated surplus not specifically invested. (783)	Total appropriated surplus.	Profit and loss.† (784)	Total.†
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry	$98,236 20	.....	$497,644 13	.....	.....	$595,880 33	$42,247,364 23	$42,843,244 56
2	Chicago & Northwestern Ry	265,276 70	.....	4,556,270 48	.....	.....	4,821,547 18	47,941,322 86	52,762,870 04
3	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	Copper Range Railroad Co	.....	.....	.....	.....	.....	.....	669,736 31	669,736 31
5	Duluth, South Shore & Atlantic Ry	.....	.....	.....	.....	.....	.....	*6,302,674 89*	*6,302,674 89*
6	Escanaba & Lake Superior R. R	.....	.....	.....	.....	.....	.....	664,371 00	664,371 00
7	Lake Superior & Ishpeming Ry	.....	.....	.....	.....	.....	.....	1,305,830 62	1,305,830 62
8	Manistee & Lake Superior Ry	.....	.....	.....	.....	.....	.....	44,257 54	44,257 54
9	Mineral Range R. R	.....	.....	.....	.....	.....	.....	150,375 60	150,375 60
10	Hancock & Calumet R. R	.....	.....	.....	.....	.....	.....	302,968 55	302,968 55
11	Minneapolis, St. Paul & S. Ste. Marie Ry	.....	.....	.....	.....	.....	.....	19,894,836 75	19,894,836 75
12	Gogebic & Montreal River R. R	.....	.....	.....	.....	.....	.....	.....	.....
13	Munising, Marquette & Southwestern Ry	.....	.....	.....	.....	.....	.....	*317,750 07*	*317,750 07*
14	Wisconsin & Michigan Ry	.....	.....	.....	.....	.....	.....	*225,101 44*	*225,101 44*
15	Ste. Marie Union Depot Co	.....	.....	.....	.....	.....	.....	.....	.....
	Total, Upper Peninsula	$363,512 90	.....	$5,053,914 61	.....	.....	$5,417,427 51	$106,375,537 06	$111,792,964 57
	Lower Peninsula.								
16	Ann Arbor R. R	$133,094 92	.....	.....	.....	.....	$133,094 92	$1,641,278 94	$1,774,373 86
17	Boyne City, Gaylord & Alpena R. R	.....	.....	.....	.....	.....	.....	333,503 04	333,503 04
18	Chicago, Kalamazoo & Saginaw Ry	.....	.....	.....	.....	.....	.....	*410,849 58*	*410,849 58*
19	Cincinnati Northern R. R	99,288 34	.....	.....	.....	.....	99,288 34	350,308 06	449,596 40
20	Cleve., Cin., Chicago & St. Louis Ry	765,330 74	.....	$465,699 67	.....	.....	1,231,030 41	5,147,009 09	6,378,039 50
21	Delray Connecting R. R	.....	.....	.....	.....	.....	.....	12,599 35	12,599 35
22	Detroit, Bay City & Western R. R	.....	.....	.....	.....	.....	.....	244,352 91	244,352 91
23	Detroit & Mackinac Ry	671,693 86	.....	.....	.....	$100,000 00	771,693 86	180 52	771,874 38
24	Detroit Terminal R. R	.....	.....	.....	.....	.....	.....	584,420 65	584,420 65
25	Detroit, Toledo & Ironton R. R	.....	.....	.....	.....	.....	.....	559,098 51	559,098 51

†Deficits appear in italic type.

TABLE N O. 1.—GENERAL BALANCE SHEET—LIABILITIES AT CLOSE OF YEAR.—Concluded.

	Railroads.	Corporate surplus.							
		Additions to property through income and surplus. (779)	Funded debt retired through income and surplus. (780)	Sinking fund reserves. (781)	Miscellaneous fund reserves. (782)	Appropriated surplus n ot specifically invested. (783)	Total appropriated surplus.	Profit and loss.† (784)	Total.†
26	Detroit & Toledo Shore Line R. R.							$814,791 13	$814,791 13
27	Grand Rapids & Indiana Ry	$1,249,957 15					$1,249,957 15	522,993 96	1,772,951 11
28	Muskegon, Gd. Rapids & Indiana R. R.	46,843 74					46,843 74	105,790 56	152,634 30
29	Traverse City R. R.	12,144 63					12,144 63	*20,105 21*	*7,960 58*
	Grand Trunk Railway System:								
30	Bay City Terminal Ry								
31	Chicago, Det. & Can., Gd. Tr. Jct. R. R.								
32	Chicago & Kalamazoo Terminal R. R.								
33	Cincinnati, Saginaw & Mackinaw R. R.								
34	Detroit, Grand Haven & Milwaukee Ry.	41,701 50					41,701 50	*285,000 00*	*243,298 50*
35	Grand Rapids Terminal R. R.								
36	Grand Trunk Western Ry	227,949 47					227,949 47		227,949 47
37	Michigan Air Line Ry								
38	Pontiac, Oxford & Northern R. R.	978 21					978 21		978 21
39	St. Clair Tunnel Company	338,550 77					338,550 77		338,550 77
40	Toledo, Saginaw & Muskeon Ry	1,735 00					1,735 00		1,735 00
41	Kalamazoo, Lake Shore & Chicago Ry							*200,906 48*	*200,906 48*
42	Manistee & Northeastern R. R.	14,308 86					14,308 86	224,221 10	238,529 96
43	Michigan Central R. R.	6,201,083 19					6,201,083 19	17,113,432 94	23,314,516 13
44	Battle Creek & Sturgis Ry								
46	Canada Southern Bridge Co							327,143 59	327,143 59
48	Detroit Belt Line R. R.								
50	Detroit Manufacturer's R. R.							*607 18*	*607 18*
51	Detroit River Tunnel Company							204,526 98	204,526 98
55	Lansing Manufacturer's R. R.								
56	Lansing Transit Ry								
58	St. Clair & Western R. R.								
59	St. Joseph, South Bend & Southern R. R.							13,176 64	13,176 64
61	New York Central R. R.	62,530 81		$296,854 14			359,384 95	65,282,934 36	65,642,319 31
62	Detroit, Hillsdale & Southwestern R. R.							*814 93*	*814 93*
63	Detroit, Toledo & Milwaukee R. R.							513 34	513 34
64	Erie & Kalamazoo R. R.							3 58	3 58
65	Fort Wayne & Jackson R. R.							349 69	349 69
66	Kalamazoo, Allegan & Gd. Rapids R. R.								

67	Pere Marquette R. R.							*30,862,811 64*	*30,862,811 64*
68	Fort Street Union Depot Co.							28,895 03	28,895 03
69	Wabash Railway		59,000 00	21,067 26			80,067 26	5,650,727 76	5,730,795 02
70	Detroit Union R. R. Dep. & Sta. Co.				124,586 81		124,586 81	55,249 90	179,836 71
	Total, Lower Peninsula	$9,867,191 19	$59,000 00	$783,621 07	$124,586 81	$100,000 00	$10,934,399 07	$67,436,406 61	$78,370,805 68
	Railroads Class III.								
	Group U.								
71	Blaney & Southern Ry.							*$22,021 49*	*$22,021 49*
72	Graden Bay Ry.								
73	Houghton, Chassell & Southwestern R. R.							*11,148 62*	*11,148 62*
74	Keweenaw Central R. R.							*91,351 98*	*91,351 98*
75	Ontonagon R. R.							*3,082 73*	*3,082 73*
76	Quincy & Torch Lake R. R.								
77	Sault Ste. Marie Bridge Co.			$364,136 49					364,136 49
	Group L.								
78	Arcadia & Betsey River Ry.							*4,447 65*	*4,447 65*
79	Delray Terminal R. R.							*56,101 93*	*56,101 93*
81	Detroit & Huron R. R. (Gd. Trunk)								
82	East Jordan & Southern R. R.							1,353 33	1,353 33
83	Empire & Southeastern R. R.							*7,840 85*	*7,840 85*
84	Erie & Michigan Ry. & Nav. Co.							35,662 31	35,662 31
85	Ludington & Northern Ry.							*11,890 80*	*11,890 80*
86	Michigan East & West Ry.							*82,204 91*	*82,204 91*
87	Port Huron Southern R. R.	$18,909 87						23,196 06	42,105 93
88	Toledo-Detroit R. R.							*4,050 00*	*4,050 00*
89	Traverse City, Leelanau & Manis. Ry.							*30,618 09*	*30,618 09*
90	Wyandotte Southern R. R.							*1,506 60*	*1,506 60*
91	Wyandotte Terminal R. R.							*36,454 49*	*36,454 49*
	Total, Class III	$18,909 87		$364,136 49				*$302,508 44*	$80,537 92

†Defict, if in italics.

TABLE NO. 3.—CAPITAL STOCK, DECEMBER 31, 1916.

Number.	Railroads.	Class of stock. (a)	Par value of amount authorized. (b)	Par value of amount nominally but not actually issued. (d)	Par value of total amount actually issued to close of year. (e)	Par value of total amount reacquired after actual issue and held alive. (g)	Par value of amount actually outstanding at close of year. (h)	Par value of stocks actually issued during present year. (n)	Amount of dividends declared during year. (v)
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry	Common	$233,725,100 00	$116,313,800 00	$117,411,300 00	$5,300 00	$117,406,000 00		$5,870,300 00
		First Preferred	116,274,900 00	343,343,000 00	115,931,900 00	86,100 00	115,845,800 00		8,109,206 00
2	Chicago & Northwestern Ry	Common	130,114,500 00		130,114,500 00		130,114,500 00		9,108,015 00
		Preferred	22,395,000 00		22,395,000 00		22,395,000 00		1,719,600 00
3	Escanaba, Iron Mt. & Western R. R.	Common	50,000 00		50,000 00				
		Special	65,000 00		65,000 00		65,000 00		
		Common	50,000 00		50,000 00		50,000 00		
4	Copper Range Railroad Co	Common	4,244,300 00		4,244,300 00		4,244,300 00		
5	The Duluth, South Shore & Atlantic Ry.	Common	12,000,000 00		12,000,000 00		12,000,000 00		
		First Preferred	10,000,000 00		10,000,000 00		10,000,000 00		
6	Escanaba & Lake Superior Ry Co	Common	693,000 00		693,000 00		693,000 00		34,650 00
7	Lake Superior & Ishpeming Ry	Common	1,000,000 00		1,000,000 00		1,000,000 00		
8	Manistique & Lake Superior R. R. Co	Common	250,000 00		250,000 00		250,000 00		
9	Mineral Range R. R.	Common	1,500,000 00		1,500,000 00		1,500,000 00		
10	Hancock & Calumet Railroad Co.	Common	350,000 00		350,000 00		350,000 00		
11	Minneapolis, St. Paul & S. Ste. Marie Ry.	Common	25,206,800 00		25,206,800 00		25,206,800 00		1,764,476 00
		First Preferred	12,603,400 00		12,603,400 00		12,603,400 00		882,238 00
12	Gogebic & Montreal River Rd. Co.	Common	600,000 00		600,000 00		600,000 00		
13	Munising, Marquette & Southeastern Ry.	Common	1,870,000 00	25,650 00	1,844,350 00		1,844,350 00		
14	Wisconsin & Michigan Ry	Common	1,500,000 00		1,500,000 00	11,800 00	1,488,200 00		
15	Sainte Marie Union Depot Company	Common	75,000 00		75,000 00		75,000 00		
	Total, Upper Peninsula		$574,517 000 00	$459,682,450 00	$457,834,550 00	$103,200 00	$457,731,350 00		$27,560,485 00
	Lower Peninsula, Class I. and II.								
16	Ann Arbor R. R.	Common	$3,250,000 00		$3,250,000 00		$3,250,000 00		
		First Preferred	4,000,000 00		4,000,000 00		4,000,000 00		
17	Boyne City, Gaylord & Alpena R. R. Co.	Common	1,000,000 00		501,200 00		501,200 00		
18	Chicago, Kalamazoo & Saginaw Ry. Co.	Common	2,000,000 00		450,000 00		450,000 00		
19	Cincinnati Northern Rd. Co	Common	3,000,000 00		3,000,000 00		3,000,000 00		$90,000 00
20	Cleve., Cin., Chi. & St. Louis Ry. Co.	Common	50,000,000 00	27,600 00	47,028,700 00		47,028,700 00		
		First Preferred	10,000,000 00	1,500 00	9,998,500 00		9,998,500 00		374,943 75

21	Delray Connecting Railroad Co	Common	800,000 00		800,000 00		800,000 00	$750,000 00	
22	Detroit, Bay City & Western Rd. Co	Common	450,000 00		450,000 00		450,000 00		
23	Detroit & Mackinac Ry Co	Common	2,000,000 00		2,000,000 00		2,000,000 00		100,000 00
		First Preferred	1,000,000 00		950,000 00		950,000 00		47,500 00
24	Detroit Terminal Rd. Co	Common	2,000,000 00		373,000 00		373,000 00		
25	Detroit, Toledo & Ironton Rd. Co	Common	6,500,000 00		6,500,000 00		6,500,000 00		
		First Preferred	6,000,000 00	10,002 00	5,989,998 00		5,989,998 00		
26	Detroit, Toledo Shore Line R. R	Common	1,428,000 00		1,428,000 00		1,428,000 00		114,240 00
27	Grand Rapids & Indiana Ry Co	Common	6,000,000 00		5,791,700 00		5,791,700 00		
28	Muskegon, Grand Rapids & Indiana Rd.	Common	350,000 00		20,000 00		20,000 00		
29	Traverse City Railroad Company	Common	205,000 00		205,000 00		205,000 00		
	Grand Trunk Railway System:								
30	Bay City Terminal Railway	Common	15,000 00		15,000 00		15,000 00		
31	Chicago, Detroit & Gd. Tr. Jct. Rd. Co.	Common	1,095,000 00		1,095,000 00		1,095,000 00		22,846 56
32	Chicago & Kalamazoo Terminal R. R	Common	100,000 00		100,000 00		100,000 00		
33	Cincinnati, Saginaw & Mackinaw R. R	Common	5,000,000 00	3,500,000 00	1,500,000 00		1,500,000 00		43,225 00
34	Detroit, Grand Haven & Milwaukee Ry	Common	1,500,000 00		1,500,000 00		1,500,000 00		
35	Grand Rapids Terminal R. R	Common	50,000 00		50,000 00		50,000 00		
36	Grand Trunk Western Ry	Common	6,000,000 00		6,000,000 00		6,000,000 00		
37	Michigan Air Line Ry	Common	1,500,000 00		300,000 00		300,000 00		
38	Pontiac, Oxford & Northern R. R	Common	1,000,000 00		1,000,000 00		1,000,000 00		
39	St. Clair Tunnel Company	Common	2,000,000 00		700,000 00		700,000 00		
40	Toledo, Saginaw & Muskegon Ry	Common	2,800,000 00	1,200,000 00	1,600,000 00		1,600,000 00		
41	Kalamazoo, Lake Shore & Chicago Ry	Common	500,000 00		37,400 00		37,400 00		
42	Manistee & Northeastern R. R	Common	2,000,000 00		2,000,000 00		2,000,000 00		
43	Michigan Central R. R	Common	18,738,000 00		18,738,000 00	1,600 00	18,736,400 00		749,456 00
44	Battle Creek & Sturgis Ry	Common	1,000,000 00		500,000 00		500,000 00		
46	Canada Southern Bridge Co	Common	1,500,000 00		450,000 00		450,000 00		
48	Detroit Belt Line R. R	Common	100,000 00		100,000 00		100,000 00		
50	Detroit Manufacturer's R. R	Common	300,000 00		300,000 00		300,000 00		
51	Detroit River Tunnel Co	Common	3,000,000 00		3,000,000 00		3,000,000 00		180,000 00
55	Lansing Manufacturer's R. R	Common	100,000 00		100,000 00		100,000 00		3,750 00
56	Lansing Transit Ry	Common	50,000 00		2,000 00		2,000 00		
58	St. Clair & Western R. R	Common	120,000 00		120,000 00		120,000 00		
59	St. Joseph, S. Bend & Southern R. R	Common	500,000 00		500,000 00	20,000 00	480,000 00		17,800 00
		First Preferred	250,000 00		250,000 00	86,000 00	164,000 00		
61	New York Central R. R	Common	400,000,000 00		249,590,460 00		249,590,460 00		12,466,611 25
62	Detroit, Hillsdale & Southwestern R. R	Common	1,350,000 00		1,350,000 00		1,350,000 00		54,000 00
63	Detroit, Toledo & Milwaukee R. R	Common	1,500,000 00		1,500,000 00		1,060,000 00		
64	Erie & Kalamazoo R. R	Common	1,000,000 00		300,000 00		300,000 00		29,250 12
65	Fort Wayne & Jackson R. R	Common	436,132 00		436,132 00		436,132 00		
		Preferred	2,291,416 00		2,291,416 00		2,291,416 00		126,027 88

TABLE NO. 3.—CAPITAL STOCK, DECEMBER 31, 1916.—Concluded.

Number.	Railroads.	Class of stock. (a)	Par value of amount authorized. (b)	Par value of amount nominally but not actually issued. (d)	Par value of total amount actually issued to close of year. (e)	Par value of total amount reacquired after actual issue and held alive. (g)	Par value of total amount actually outstanding at close of year. (h)	Par value of stocks actually issued during present year. (n)	Amount of dividends declared during year. (v)
66	Kalamazoo, Allegan & Gd. Rapids R. R.	Common	$610,000 00		$610,000 00		$610,000 00		$36,600 00
67	Pere Marquette R. R.	Common	16,260,100 00	$1,870,770 00	14,370,430 00		14,370,430 00		
		Second Preferred	1,070,100 00	62,020 00	993,380 00		993,380 00		
		First Preferred	11,169,800 00	240,000 00	10,929,800 00		10,929,800 00		
68	Fort Street Union Depot Co.	Common	1,000,000 00		1,000,000 00		1,000,000 00		55,000 00
69	Wabash Railway	Common	47,290,000 00		43,558,330 16		43,558,330 16	$6,818 48	
		Preferred, P. S.	46,200,000 00		46,200,000 00		46,200,000 00		462,000 00
		Preferred, Con.	49,970,000 00		48,726,110 05		48,726,110 05	2,272 84	
70	Detroit Union R. R. Depot & Station Co.	Common	2,500,000 00		2,250,000 00		2,250,000 00		90,000 00
	Total, Lower Peninsula		$731,848,548 00	$6,911,892 00	$556,979,556 21	$107,600 00	$556,251,956 21	$759,091 32	$854,837 31
71	Blaney & Southern Ry.	Common	$75,000 00		$75,000 00		$75,000 00		
72	Garden Bay Ry.								
73	Houghton, Chassell & Southwestern Ry.	Common	50,000 00		50,000 00		50,000 00		
74	Keweenaw Central R. R.	Common	1,000,000 00		730,000 00		730,000 00		
75	Ontonagon R. R.	Common	30,000 00		30,000 00		30,000 00		
77	Sault Ste. Marie Bridge Co.	Common	1,000,000 00		1,000,000 00		1,000,000 00		
78	Arcadia & Betsey River Ry.	Common	165,000 00		150,000 00		150,000 00		
79	Delray Terminal R. R.	Common	50,000 00		50,000 00		50,000 00		
81	Detroit & Huron Ry. (Grand Trunk)	Common	148,000 00		148,000 00		148,000 00		
82	East Jordan & Southern R. R.	Common	250,000 00		250,000 00		250,000 00		$25,000 00
84	Erie & Michigan Ry. & Navigation Co.	Common	250,000 00		92,705 00		92,705 00		37,082 00
85	Ludington & Northern Ry.	Common	15,000 00		15,000 00		15,000 00		
86	Michigan East & West Ry.	Common	1,000,000 00		200,000 00		200,000 00		
87	Port Huron Southern R. R.	Common	50,000 00		50,000 00		50,000 00		
88	Toledo-Detroit R. R.	Common	300,000 00		300,000 00		300,000 00		
89	Traverse City Lee anan & Manistique Ry.	Common	278,000 00		278,000 00		278,000 00		
90	Wyandotte Southern R. R.	Common	25,000 00		25,000 00		25,000 00		
91	Wyandotte Terminal R. R.	Common	10,000 00		10,000 00		10,000 00		

TABLE NO. 4.—UNMATURED FUNDED DEBT.—AMOUNT ACTUALLY OUTSTANDING AT CLOSE OF YEAR.

Number.	Railroads.	Equipment obligations. (a)	Mortgage bonds. (b)	Collateral trust bonds. (c)	Income bonds. (d)	Miscellaneous obligations. (e)	Receipts outstanding.	Total funded debt. (f)
	Upper Peninsula.							
1	Chicago, Milwaukee & St. Paul Ry		$224,626,800 00			$131,443,454 66		$356,070,254 66
2	Chicago & Northwestern Ry	$6,396,000 00	152,207,500 00	$28,376,000 00		18,930,000 00		205,909,500 00
4	Copper Range Railroad Co		2,280,000 00					2,280,000 00
5	The Duluth, South Shore & Atlantic	628,600 00	20,000,000 00					20,628,600 00
6	Escanaba & Lake Superior Ry							
7	Lake Superior & Ishpeming Ry	225,000 00	951,000 00					1,176,000 00
8	Manistique & Lake Superior R. R. Co				$1,100,000 00			1,100,000 00
9	Mineral Range R. R	335,436 52	1,918,000 00					2,253,436 52
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	6,102,000 00	71,424,650 00	11,176,800 00				88,703,450 00
12	Gogebic & Montreal River Rd. Co		390,000 00		130,000 00			520,000 00
13	Munising, Marquette & Southeastern Ry		1,160,000 00					1,160,000 00
14	Wisconsin & Michigan		2,401,000 00		1,117,245 17			3,518,245 17
	Total, Upper Peninsula	$13,687,036 52	$477,358,950 00	$39,552,800 00	$2,347,245 17	$150,373,454 66		$683,319,486 35
	Lower Peninsula, Class I. and II.							
16	Ann Arbor R. R	$519,613 89	$7,000,000 00	$611,000 00				$8,130,613 89
18	Chicago, Kalamazoo & Saginaw Ry Co		1,268,000 00					1,268,000 00
19	Cincinnati Northern Ry Co	387,000 00	1,000,000 00					1,387,000 00
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	12,304,118 22	59,363,500 00	9,256,000 00		$19,662,605 94		100,586,224 16
22	Detroit, Bay City & Western R. R. Co	6,000 00	772,000 00					778,000 00
23	Detroit & Mackinac Ry. Co	2,300,000 00						2,300,000 00
25	Detroit, Toledo & Ironton R. R. Co	210,500 00	1,160,000 00					1,370,500 00
26	Detroit & Toledo Shore Line R. R		3,000,000 00					3,000,000 00
27	Grand Rapids & Indiana Ry. Co		10,373,000 00					10,373,000 00
28	Muskegon, Grand Rapids & Indiana Ry		750,000 00					750,000 00
29	Traverse City Railroad Co		250,000 00		$190,000 00			440,000 00
34	Detroit, Grand Haven & Milwaukee Ry		5,199,000 00					5,199,000 00
35	Grand Rapids Terminal R. R					20,000 00		20,000 00
36	Grand Trunk Western Ry		30,412,720 00			60,000 00		30,472,720 00
38	Pontiac, Oxford & Northern R. R							

TABLE NO. 4.—UNMATURED FUNDED DEBT.—AMOUNT ACTUALLY OUTSTANDING AT CLOSE OF YEAR.

Number.	Railroads.	Equipment obligations. (a)	Mortgage bonds. (b)	Collateral trust bonds. (c)	Income bonds. (d)	Miscellaneous obligations. (e)	Receipts outstanding.	Total funded debt. (f)
39	St. Clair Tunnel Company		$2,500,000 00					$2,500,000 00
40	Toledo, Saginaw & Muskegon Ry		1,662,000 00					1,662,000 00
41	Kalamazoo Lake Shore & Chicago Ry		390,000 00					390,000 00
42	Manistee & Northeastern R. R		1,212,000 00					1,212,000 00
43	Michigan Central R. R	$13,125,193 92	33,156,000 00			$7,634,000 00		53,915,193 92
44	Battle Creek & Sturgis Ry		500,000 00					500,000 00
51	Detroit River Tunnel Co		18,000,000 00					18,000,000 00
55	Lansing Manufacturer's R. R		57,000 00			18,000 00		75,000 00
61	New York Central R. R	40,948,007 38	526,469,000 00		$105,500,000 00			672,917,007 38
66	Kalamazoo, Allegan & Grand Rapids R. R		840,000 00					840,000 00
67	Pere Marquette R. R	1,056,000 00	66,642,941 70	$5,870,000 00				73,568,941 70
69	Wabash Railway	1,174,000 00	62,668,909 23	1,500,000 00	250,000 00			65,592,909 23
	Total, Lower Peninsula	$72,030,433 41	$834,646,070 93	$17,237,000 00	$105,940,000 00	$27,394,605 94		$1,057,248,110 28
	Class III.							
74	Keweenaw Central R. R							
77	Sault Ste. Marie Bridge Co		$577,000 00					$577,000 00
85	Ludington & Northern Ry		30,000 00					30,000 00
87	Toledo-Detroit R. R		460,000 00					460,000 00
89	Traverse City, Leelanau & Manistique Ry	6,941 10						6,941 10
	Total, Class III	$6,941 10	$1,067,000 00					$1,073,941 10

TABLE NO. 4.—UNMATURED FUNDED DEBT.—TOTAL.—Concluded.

Number.	Railroads.	Amount nominally but not actually issued to close of year.		Reacquired after actual issue and held alive by or for respondent.		Interest during year on actually outstanding debt.		Par value of evidences of debt actually issued during present year. (g)
		Held by respondent unencumbered. (b)	Pledged or otherwise encumbered. (c)	Unencumbered. (d)	Pledged or otherwise encumbered. (e)	Interest accrued. (i)	Interest paid. (j)	
	Upper Peninsula.							
1	Chicago, Milwaukee & St. Paul Ry	$132,259,200 00			$2,211,700 00	$15,595,310 68	$15,442,379 77	$37,561,724 02
2	Chicago & Northwestern Ry	7,432,100 00	$33,080,000 00	$600,500 00	1,670,000 00	9,368,501 32	9,260,549 07	7,972,000 00
4	Copper Range Railroad Co					114,000 00	114,000 00	
5	The Duluth, South Shore & Atlantic Ry					871,898 68	268,292 00	
6	Escanaba & Lake Superior Ry							
7	Lake Superior & Ishpeming					70,474 11	73,024 11	
8	Manistique & Lake Superior R. R. Co					8,250 00	4,125 00	
9	Mineral Range R. R	6,000 00				99,761 63	105,064 39	
10	Hancock & Calumet Railroad Co	75,000 00						
11	Minneapolis, St. Paul & Sault Ste. Marie					3,567,098 67	3,566,426 50	6,000 00
14	Wisconsin & Michigan			185,000 00	165,000 00			
	Total, Upper Peninsula	$139,772,300 00	$33,080,000 00	$785,500 00	$4,046,700 00	$29,695,295 09	$28,833,860 84	$45,539,724 02
	Lower Peninsula, Classes I. and II.							
16	Ann Arbor Railroad	$24,000 00	$1,608,000 00	$7,000 00		$342,510 46	$343,578 16	$618,000 00
18	Chicago, Kalamazoo & Saginaw Ry Co					50,720 00	50,720 00	
19	Cincinnati Northern Ry. Co					60,784 00	57,258 61	
20	Cleveland, Cincinnati, Chicago & St. Louis		250,000 00	234,230 00	$494,000 00	4,300,432 17	4,272,478 44	18,000 00
22	Detroit, Bay City & Western R. R. Co					29,958 25	27,078 33	222,000 00
23	Detroit & Mackinac Ry. Co	950,000 00				92,000 00	92,000 00	
25	Detroit, Toledo & Ironton R. R. Co			50,000 00		71,292 84	74,592 33	135,000 00
26	Detroit & Toledo Shore Line R. R					120,000 00	119,640 00	
27	Grand Rapids & Indiana Ry. Co					432,605 00	428,477 50	
28	Muskegon, Grand Rapids & Indiana R. R. Co					37,500 00	37,000 00	

TABLE NO. 4.—UNMATURED FUNDED DEBT.—TOTAL.—Concluded.

Number.	Railroads.	Amount nominally but not actually issued to close of year.		Reacquired after actual issue and held alive by or for respondent.		Interest during year on actually outstanding debt.		Par value of evidences of debt actually issued during present year. (g)
		Held by respondent unencumbered. (b)	Pledged or otherwise encumbered. (c)	Unencumbered. (d)	Pledged or otherwise encumbered. (e)	Interest accrued. (i)	Interest paid. (j)	
29	Traverse City Railroad Co					$7,500 00	$6,780 00	
34	Detroit, Grand Haven & Milwaukee Ry		$1,000 00			311,940 00	305,197 50	
35	Grand Rapids Terminal R. R					1,500 00	1,500 00	
36	Grand Trunk Western Ry	$3,459,000 00	15,000 000 00			1,260,178 80	1,248,227 49	
38	Pontiac, Oxford & Northern R. R					12,000 00	12,000 00	
39	St. Clair Tunnel Company					125,000 00	125,000 00	
40	Toledo, Saginaw & Muskegon Ry	72,000 00				83,100 00	83,100 00	
41	Kalamazoo Lake Shore & Chicago Ry					19,500 00		
42	Manistee & Northeastern R. R					62,550 00	62,550 00	
43	Michigan Central R. R					2,152,241 43	2,102,353 30	$3,149,000 00
44	Battle Creek & Sturgis Ry					15,000 00	15,000 00	
51	Detroit River Tunnel Co					810,000 00	810,000 00	
55	Lansing Manufacturer's R. R					3,750 00	3,750 00	18,000 00
61	New York Central R. R			$12,000 00		28,870,849 62	28,933,538 20	65,238,000 00
66	Kalamazoo, Allegan & Grand Rapids R. R					42,000 00	42,000 00	
67	Pere Marquette R. R	95,000 00	175,000 00			3,375,359 44	450,326 00	
69	Wabash Railway			15,000 00		3,162,546 06	3,195,477 49	
	Total, Lower Peninsula, Classes I. and II	$4,600,000 00	$17,034 000 00	$318,230 00	$494,000 00	$45,852,818 07	$42,899,623 35	$69,398,000 00
	Class III.							
74	Keweenaw Central R. R	$500,000 00						
77	Sault Ste. Marie Bridge Co			$323,000 00		$29,740 69	$15,315 69	
85	Ludington & Northern Ry					2,025 00	2,040 00	
87	Toledo-Detroit R. R					16,308 64	8,642 00	
89	Traverse City, Leelanau & Manistique Ry					416 46	416 46	
	Total, Lower Peninsula, Class III	$500,000 00		$323,000 00		$48,490 79	$26,414 15	

TABLE NO. 5.—PROFIT AND LOSS ACCOUNT.

Number.	Railroads.	Debits.									
		Balance at beginning of year.	Debit balance transferred from income.	Appropriations of surplus.					Loss on retired road and equipment. (619)	Delayed income debits. (620)	Miscellaneous debits. (621)
				To sinking and other reserve. funds. (613)	Dividends. (614)	For investment in physical property. (615)	Debt discount extinguished through. (617)	Miscellaneous. (618)			
	Upper Peninsula.										
1	Chi., Mil. & St. Paul Ry.	.....	.....	$109,270 00	$13,979,506 00	$34,059 83	$1,300,482 78	.....	$345,113 92	.....	$1,173,882 70
2	Chicago & Northwestern Ry.	.....	.....	.....	.....	265,276 70	.....	.....	550,887 11	.....	39,743 61
4	Copper Range Railroad	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,000 00
5	The Dul., S. Shore & Atlan. Ry.	$6,091,717 65	$80,114 59	.....	.....	.....	.....	.....	132,357 72	.....	2,109 60
6	Escanaba & Lake Superior Ry.	.....	.....	.....	34,650 00	.....	.....	.....	.....	.....	.....
7	Lake Superior & Ishpeming Ry.	.....	.....	.....	.....	.....	.....	.....	.....	.....	320 00
8	Manis. & Lake Superior R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	Mineral Range R. R.	.....	.....	.....	.....	.....	.....	.....	15,062 12	.....	.....
11	Minn., St. Paul & S. S. Marie Ry	.....	.....	.....	2,646,714 00	.....	34,158 47	.....	173,092 85	.....	4,065 00
13	Munis., Mar. & Southeast Ry.	336,684 35	.....	.....	.....	.....	.....	.....	.....	.....	2,201 73
14	Wisconsin & Michigan Ry.	234,066 54	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total, Upper Pen., Cl. I & II.	$6,662,468 54	$80,114 59	$109,270 00	$16,660,870 00	$299,336 53	$1,334,641 25	.....	$1,216,513 72	.....	$1,223,322 64
	Lower Peninsula.										
16	Ann Arbor R. R.	.....	.....	.....	.....	.....	$36,617 30	.....	$125,428 12	.....	$12,968 96
17	Boyne City, Gay. & Alp. R. R.	.....	.....	.....	.....	.....	.....	.....	9,600 00	.....	1,083 72
18	Chi., Kalam. & Saginaw Ry.	$426,044 22	.....	.....	.....	.....	.....	.....	152 00	.....	.....
19	Cincinnati Northern R. R.	.....	.....	.....	$90,000 00	$4,602 25	.....	.....	31,506 47	.....	.....
20	Cleve., Cin., Chic. & St. Louis.	1,031,573 18	.....	.....	.....	17,363 39	.....	.....	867,035 21	.....	4,931 30
21	Delray Connecting R. R.	121,836 20	.....	.....	.....	.....	.....	.....	.....	.....	31 01
22	Det., Bay City & Western R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	Detroit & Mackinac Ry.	.....	23,899 35	.....	.....	.....	.....	.....	.....	.....	.....
24	Detroit, Terminal R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....	68,450 26
25	Det., Toledo & Ironton R. R.	.....	.....	.....	.....	.....	.....	.....	226 37	.....	396 12

TABLE NO. 5.—PROFIT AND LOSS ACCOUNT.—Concluded.

Number.	Railroads.	Debits.									
		Balance at beginning of year.	Debit balance transferred from income.	Appropriations of surplus.					Loss on retired road and equipment. (619)	Delayed income debits. (620)	Miscellaneous debits. (621)
				To sinking and other reserve funds. (613)	Dividends. (614)	For investment in physical property. (615)	Debt discount extinguished through. (617)	Miscellaneous. (618)			
26	Det. & Toledo Shore Line R. R.										
27	Grand Rapids & Indiana Ry					$2,281 00			$5,770 33		$31,974 52
	Grand Trunk System:										
31	Chi., Det. & Can. G. T. Jct. R. R.		$110,352 35								
33	Cin., Sag. & Mackinaw R. R.	$40,214 06							4,340 00		
34	Det., Gd. Haven & Mil. Ry	285,000 00	21,587 18						3,210 00		10,902 91
36	Grand Trunk Western Ry		523,716 61						7,670 32	33,400 00	8,594 69
37	Michigan Air Line Ry	26,062 68									
38	Pontiac, Oxford & North. R. R.	303,578 83									
39	St. Clair Tunnel Company	10,993 32									
40	Tol., Saginaw & Mus. Ry	392,927 14							662 00		
41	Kal., Lake Shore & Chi. Ry	169,877 69	31,028 79								
42	Manistee & Northeastern R. R.								704 64		
43	Michigan Central R. R								91,119 75		398,492 39
61	New York Central Ry					53,945 76	$186,272 03		1,793,839 10		1,323,283 57
67	Pere Marquette R. R	30,399,731 71							540,197 00	13,680 00	126,908 62
69	Wabash Railway						75 00		5,919 29		4,738 13
	Total Lower Pen., Cl. I & II	$33,207,839 03	$710,584 28		$90,000 00	$78,192 40	$222,964 33		$3,487,380 60	$47,080 00	$1,992,756 20
	Class III.										
71	Blaney & Southern Ry	$19,745 52	$2,275 97								
72	Garden Bay Ry										
73	Hough., Chass. & Southwes. Ry.	11,148 62									
74	Keweenaw Central R. R	79,735 82	11,616 16								
75	Ontonagon R. R	2,302 33	780 40								
76	Quincy & Torch Lake R. R										
77	Sault Ste. Marie Bridge Co										$650 00
78	Arcadia & Betsey River Ry	4,206 71	240 94								
79	Delray Terminal R. R	33,836 15	22,265 78								
80	Detroit & Charlevoix R. R	46,078 09	34,136 91								

81	Det. & Huron R. R (Gd. Trunk)	56,904 81	.....	.....	.....	.....	.....	.....	.....	.....	.....
82	East Jordan & Southern R. R...	.....	6,566 59	.....	.....	.....	.....	.....	.....	.....	.....
83	Empire & Southeastern R. R...	7,515 75	325 10	.....	.....	.....	.....	.....	.....	.....	.....
84	Erie & Mich. Ry. & Nav. Co....	.....	.....	.....	$37,082 00	.....	.....	.....	.....	.....	1,396 89
85	Ludington & Northern Ry.....	6,674 50	5,216 30	.....	.....	.....	.....	.....	.....	.....	.....
86	Michigan East & West Ry.....	48,787 03	30,690 39	.....	.....	.....	.....	.....	.....	.....	2,727 49
87	Port Huron Southern R. R.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
89	Traverse City, Leela. & Man. Ry.	39,069 92	3,809 28	.....	.....	.....	.....	.....	.....	.....	.....
90	Wyandotte Southern R. R.....	.....	4,881 83	.....	.....	.....	.....	.....	.....	.....	.....
91	Wyandotte Terminal R. R.....	33,996 28	2,458 21	.....	.....	.....	.....	.....	.....	.....	.....
	Total, Class III.....	$389,941 53	$125,263 86	.....	$37,082 00	.....	.....	.....	.....	.....	$4,774 38

TABLE NO. 5.—PROFIT AND LOSS ACCOUNT.—Concluded.

Number.	Railroads.	Total debits.	Credits.								†Balance carried to balance sheet.
			Balance at beginning of year.	Credit balance transferred from income.	Profit on road and equipment sold. (603)	Delayed income credits. (604)	Unrefundable over charges. (605)	Donations. (606)	Miscellaneous credits. (607)	Total credits.	
	Upper Peninsula.										
1	Chicago, Mil. & St. Paul Ry...	$16,942,315 23	$38,937,283 87	$16,068,260 31	$740,327 68	.....	$38,538 35	$34,059 83	$3,371,209 42	$59,189,679 46	$42,247,364 23
2	Chicago & Northwestern Ry...	855,907 42	39,084,542 23	9,269,734 54	9,873 07	.....	6,592 96	82,462 03	344,025 45	48,797,230 28	47,941,322 86
4	Copper Range Railroad.....	1,000 00	570,329 89	100,406 42	.....	.....	.....	.....	.....	670,736 31	669,736 31
5	Dul., S. Shore & Atlantic Ry...	6,306,299 56	.....	.....	.....	.....	486 17	2,173 27	965 23	3,624 67	*6,302,674 89*
6	Escanaba & Lake Sup. Ry.....	34,650 00	657,438 24	41,582 76	.....	.....	.....	.....	.....	699,021 00	664,371 00
7	Lake Superior & Ishpeming...	320 00	1,160,534 01	143,674 67	1,938 06	.....	.....	.....	3 88	1,306,150 62	1,305,830 62
8	Manis. & Lake Superior R. R..	.....	20,993 91	20,392 47	.....	2,871 16	.....	.....	.....	44,257 54	44,257 54
9	Mineral Range R. R.....	15,062 12	127,987 84	36,631 47	.....	.....	39 89	694 88	83 64	165,437 72	150,375 60
11	Minn., St. P. & S. S. Marie Ry.	2,858,030 32	17,466,148 42	5,258,595 49	12,175 54	.....	.....	.....	15,947 62	22,752,867 07	19,894,836 75
13	Mun. Mar. & Southeast Ry...	338,886 08	.....	18,558 89	.....	.....	.....	.....	2,577 12	21,136 01	*317,750 07*
14	Wisconsin & Michigan Ry....	234,066 54	.....	8,965 10	.....	.....	.....	.....	.....	8,965 10	*225,101 44*
	Total, Up. Pen. Cls. I & II...	$27,586,537 27	$98,025,258 41	$30,966,802 12	$764,314 35	$2,871 16	$45,657 37	$119,390 01	$3,734,812 36	$133,659,105 78	$106,072,568 51
	Lower Peninsula.										
16	Ann Arbor R. R.....	$175,014 38	$1,536,513 92	$251,077 26	.....	.....	$12,000 00	.....	$16,702 14	$1,816,293 32	$1,641,278 94
17	Boyne City, Gay. & Alp. R. R.	10,683 72	277,404 10	66,782 66	.....	.....	.....	.....	.....	344,186 76	333,503 04
18	Chi., Kal. & Saginaw Ry.....	426,196 22	.....	13,498 71	$1,807 93	.....	.....	.....	40 00	15,346 64	*410,849 58*
19	Cincinnati Northern R. R.....	126,108 72	109,028 35	358,622 46	.....	$3,536 00	115 21	$5,042 61	72 15	476,416 78	350,308 06
20	Cleve., Cin., Chi. & St. L. Ry..	1,920,903 08	.....	6,999,964 03	.....	.....	6,724 90	26,452 40	34,770 84	7,067,912 17	5,147,009 09
21	Delray Connecting R. R.....	121,867 21	.....	12,630 36	.....	.....	.....	.....	121,836 20	134,466 56	12,599 35
22	Det., Bay City & Wes. R. R...	.....	177,319 63	67,033 28	.....	.....	.....	.....	.....	244,352 91	244,352 91
23	Detroit & Mackinac Ry.....	23,899 35	.....	.....	24,079 87	.....	.....	.....	.....	24,079 87	180 52
24	Detroit Terminal R. R.....	68,450 26	.....	479,148 33	173,722 58	.....	.....	.....	.....	652,870 91	584,420 65
25	Detroit, Tol. & Ironton R. R...	622 49	211,339 85	343,888 39	.....	.....	.....	.....	4,492 76	559,721 00	559,098 51
26	Detroit & Toledo Sh. Line R. R	.....	451,729 82	363,061 31	.....	.....	.....	.....	.....	814,791 13	814,791 13
27	Grand Rapids & Indiana Ry...	40,025 85	487,595 99	57,699 85	414 20	.....	1,565 59	2,281 00	13,463 18	563,019 81	522,993 96
	Grand Trunk System:										
31	Chi., Det. & Can. G.T.J.R.R.	110,352 35	110,352 35	.....	.....	.....	.....	.....	.....	110,352 35	.....
33	Cin., Sag. & Mackinaw R. R.	44,554 06	44,554 06	.....	.....	.....	.....	.....	.....	44,554 06	.....

34	Det., Gd. Haven & Mil. Ry..	320,700 09	.....	.....	.....	34,251 05	.....	1,449 04	.....	35,700 09	*285,000 00*
36	Grand Trunk Western Ry...	573,381 62	528,049 30	.....	.....	.....	.....	.....	45,332 32	573,381 62	.....
37	Michigan Air Line Ry.....	26,062 68	.....	26,062 68	.....	.....	.....	.....	.....	26,062 68	.....
38	Pontiac, Oxford & Nor. R. R.	303,578 83	.....	303,578 83	.....	.....	.....	.....	.....	303,578 83	.....
39	St. Clair Tunnel Company..	10,993 32	.....	10,993 32	.....	.....	.....	.....	.....	10,993 32	.....
40	Toledo, Sag. & Muskegon Ry	393,589 14	.....	662 00	.....	.....	.....	.....	392,927 14	393,589 14	.....
41	Kalam., Lake Sh. & Chi. Ry...	200,906 48	.....	.....	.....	.....	.....	.....	.....	.....	*200,906 48*
42	Manistee & Northeastern R. R.	704,64	193,697 64	30,912 62	.....	.....	.....	.....	315 48	224,925 74	224,221 10
43	Michigan Central R. R.....	489,612 14	13,638,974 45	3,886,931 96	.....	.....	2,427 60	.....	74,711 07	17,603,045 08	17,113,432 94
61	New York Central Ry.....	3,357,340 46	37,406,473 66	30,692,606 15	21,137 94	.....	48,049 85	53,945 76	418,061 46	68,640,274 82	65,282,934 36
67	Pere Marquette R. R.....	31,080,517 33	.....	77,886 29	10,019 42	.....	.....	11,790 00	118,009 78	217,705 49	*30,862,811 64*
69	Wabash Railway.....	10,732 42	809,532 76	4,844,498 21	.....	.....	.....	.....	7,429 21	5,661,460 18	5,650,727 76
	Total. Low. Pen. Cls. I & II.	$39,836,796 84	$55,982,565 88	$48,887,538 70	$231,181 94	$37,787 05	$70,883 15	$100,960 81	$1,248,163 73	$106,559,081 26	$66,722,284 42
	Class III.										
71	Blaney & Southern Ry.....	$22,021 49	.....	.....	.....	.....	.....	.....	.....	.....	*$22,021 49*
72	Garden Bay Ry.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
73	Hough., Chas. & So. Wes. Ry..	11,148 62	.....	.....	.....	.....	.....	.....	.....	.....	*11,148 62*
74	Keweenaw Central R. R.....	91,351 98	.....	.....	.....	.....	.....	.....	.....	.....	*91,351 98*
75	Ontonagon R. R.....	3,082 73	.....	.....	.....	.....	.....	.....	.....	.....	*3,082 73*
76	Quincy & Torch Lake R. R....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
77	Sault Ste. Marie Bridge Co....	650 00	.....	.....	.....	.....	.....	.....	$650 00	$650 00	.....
78	Arcadia & Betsey River Ry....	4,447 65	.....	.....	.....	.....	.....	.....	.....	.....	*4,447 65*
79	Delray Terminal R. R.....	56,101 93	.....	.....	.....	.....	.....	.....	.....	.....	*56,101 93*
80	Detroit & Charlevoix R. R....	80,215 00	.....	.....	.....	.....	.....	.....	.....	.....	*80,215 00*
81	Detroit & Huron R. R. (G. T.).	56,904 81	.....	$56,904 81	.....	.....	.....	.....	.....	56,904 81	.....
82	East Jordan & Southern R. R..	6,566 59	$7,919 92	.....	.....	.....	.....	.....	.....	7,919 92	1,353 33
83	Empire & Sou. Eas. R. R.....	7,840 85	.....	.....	.....	.....	.....	.....	.....	.....	*7,840 85*
84	Erie & Mich. Ry. & Nav. Co...	38,478 89	36,863 26	36,763 96	.....	.....	.....	.....	513 98	74,141 20	35,662 31
85	Ludington & Northern Ry....	11,890 80	.....	.....	.....	.....	.....	.....	.....	.....	*11,890 80*
86	Michigan East & West Ry.....	82,204 91	.....	.....	.....	.....	.....	.....	.....	.....	*82,204 91*
87	Port Huron Southern R. R....	.....	9,896 28	13,299 78	.....	.....	.....	.....	.....	23,196 06	23,196 06
89	Trav. City, Lee. & Manis. Ry..	42,819 20	.....	.....	.....	.....	.....	.....	12,201 11	12,201 11	*30,618 09*
90	Wyandotte Southern R. R....	4,881 83	3,375 23	.....	.....	.....	.....	.....	.....	3,375 23	*1,506 60*
91	Wyandotte Terminal R. R....	36,454 49	.....	.....	.....	.....	.....	.....	.....	.....	*36,454 49*
	Total, Class III.....	$557,061 77	$58,054 69	$106,968 55	.....	.....	.....	.....	$13,365 09	$178,388 33	*$378,673 44*

†Deficit items appear in italic type.

TABLE NO. 6.—INCOME ACCOUNT FOR THE YEAR.

Number.	Railroads.	Operating income.								
		Railway operating revenues. (501)	Railway operating expenses. (531)	Net revenue from railway operations.	Railway tax accruals. (532)	Ad valorem tax on railway property in Michigan. (350i)	Uncollectible railway revenues. (533)	Railway operating income.†	Miscellaneous operating income.†	Total operating income.†
	Upper Peninsula.									
1	Chicago, Mil. & St. Paul Ry.	$110,609,688 86	$73,765,051 05	$36,844,637 81	$5,480,119 39	$78,426 57	$37,279 15	$31,327,239 27	.....	$31,327,239 27
2	Chicago & Northwestern Ry.	97,978,843 70	65,120,827 01	32,858,016 69	5,016,527 44	287,341 91	5,758 60	27,835,730 65	.....	27,835,730 65
4	Copper Range Railroad Co.	930,606 42	649,687 07	280,919 35	58,919 62	57,049 28	.....	221,999 73	*$45 00*	221,954 73
5	The Dul., S. Shore & Atlantic Ry.	3,750,688 10	2,670,051 57	1,080,636 53	219,003 12	200,235 21	197 46	861,435 95	.....	861,435 95
6	Escanaba & Lake Superior	275,015 45	207,619 80	67,395 65	23,088 45	25,008 53	.....	44,307 20	.....	44,307 20
7	Lake Sup. & Ishpeming Ry.	828,112 83	577,995 24	250,117 59	44,321 09	42,666 51	.....	205,796 50	.....	205,796 50
8	Manistique & Lake Superior R. R.	142,904 34	105,180 41	37,723 93	5,973 26	5,967 18	.....	31,750 67	.....	31,750 67
9	Mineral Range R. R.	1,107,781 08	900,249 97	207,531 11	37,515 44	37,459 82	8 96	170,006 71	.....	170,006 71
11	Minn., St. Paul & S. S. Marie Ry.	34,472,084 31	19,241,591 67	15,230,492 64	1,481,412 26	830,627 86	.....	13,749,080 38	.....	13,749,080 38
13	Munising, Mar. & Southeast. Ry.	656,652 14	438,214 29	218,437 85	35,743 32	34,695 52	.....	182,694 53	.....	182,694 53
14	Wisconsin & Michigan Ry.	130,364 90	120,245 25	10,119 65	6,717 54	7,259 29	.....	3,402 11	.....	3,402 11
	Total, Up. Pen. Cls. I and II	$250,882,742 13	$163,796,713 33	$87,086,028 80	$12,409,340 93	$1,606,737 68	$43,244 17	$74,633,443 70	*$45 00*	$74,633,398 70
	Lower Peninsula.									
16	Ann Arbor R. R.	$2,807,121 22	$1,979,936 34	$827,184 88	$162,864 42	$148,743 21	$2,555 31	$661,765 15	.....	$661,765 15
17	Boyne City, Gay. & Alpena R. R.	310,354 01	210,603 84	99,750 17	9,465 94	8,926 47	.....	90,284 23	.....	90,284 23
18	Chi., Kalamazoo & Saginaw Ry.	223,098 93	131,796 93	91,302 00	13,791 39	13,578 41	2 81	77,507 80	.....	77,507 80
19	Cincinnati Northern R. R.	1,909,946 86	1,307,820 12	602,126 74	74,937 30	12,249 07	17 64	527,171 80	.....	527,171 80
20	Cleve., Cin., Chi. & St. Louis Ry.	46,678,240 44	31,221,976 50	15,456,263 94	1,686,719 93	12,249 07	9,677 64	13,759,866 37	$3,835 89	13,763,702 26
21	Delray Connecting R. R.	296,962 89	248,003 99	48,958 90	8,255 34	8,245 64	4 00	40,699 56	.....	40,699 56
22	Detroit, Bay City & Western R. R.	219,873 47	114,816 71	105,056 76	12,839 56	12,839 56	.....	92,217 20	.....	92,217 20
23	Detroit & Mackinac Ry.	1,254,102 16	855,048 15	399,054 01	82,565 89	82,514 52	3,299 14	313,188 98	389 88	313,578 86
24	Detroit Terminal R. R.	727,982 05	412,788 89	315,193 16	29,185 12	26,613 28	141 90	285,866 14	.....	285,866 14
25	Detroit, Toledo & Ironton R. R.	2,440,908 20	1,826,854 45	614,053 75	71,523 91	10,544 96	208 84	542,321 00	.....	542,321 00
26	Detroit & Toledo Shore Line R. R.	1,757,542 84	739,242 41	1,018,300 43	87,720 24	67,909 69	1,193 54	929,386 65	.....	929,386 65
27	Grand Rapids & Indiana Ry.	5,897,565 75	4,396,460 10	1,501,105 65	296,219 13	218,842 46	3,586 73	1,201,299 79	.....	1,201,299 79

	Grand Trunk System:									
31	Chi., Det. & Can. G. Tr. Jct. R.R.	1,201,159 66	908,174 65	292,985 01	27,126 17	39,998 57	50 10	265,808 74	.....	265,808 74
33	Cin., Saginaw & Mackinaw R. R	259,981 13	354,229 62	*94,248 49*	11,374 56	11,374 56	340 02	*105,963 07*	.....	*105,963 07*
34	Detroit, Gd. Haven & Mil. Ry.	3,274,924 72	2,749,482 58	525,442 14	31,921 75	a 39,283 71	886 20	492,634 19	.....	492,634 19
36	Grand Trunk Western Ry.	9,229,591 60	6,234,748 18	2,994,843 42	295,978 81	143,299 75	12,543 35	2,686,321 26	.....	2,686,321 26
37	Michigan Air Line Ry.	264,332 61	324,324 46	*59,991 85*	5,731 00	5,731 00	101 00	*65,823 85*	.....	*65,823 85*
38	Pontiac, Oxford & Northern R.R.	297,397 71	266,126 08	31,271 63	6,765 14	6,765 14	84 53	24,421 96	.....	24,421 96
39	St. Clair Tunnel Company	379,270 08	134,921 92	244,348 16	26,824 65	19,346 03	.....	217,523 51	.....	217,523 51
40	Toledo, Saginaw & Muskegon Ry	194,575 82	247,692 70	*53,116 88*	5,208 00	5,208 00	53 30	*58,378 18*	.....	*58,378 18*
41	Kalam., Lake Shore & Chicago Ry	90,543 58	58,619 77	31,923 81	3,080 00	.....	.....	28,843 81	.....	28,843 81
42	Manistee & Northeastern R. R.	513,153 01	388,404 66	124,748 35	30,760 91	30,760 91	.....	93,987 44	.....	93,987 44
43	Michigan Central R.R.	46,418,790 11	30,646,260 72	15,772,529 39	1,686,010 06	1,249,831 23	10,349 90	14,076,169 43	.....	14,076,169 43
61	New York Central Ry.	223,261,590 46	143,363,853 26	79,897,737 20	9,266,546 20	395,111 94	19,575 81	70,611,615 19	*3,206 21*	70,608,408 98
67	Pere Marquette R. R.	22,559,254 49	15,631,230 91	6,928,023 58	652,834 74	585,343 54	7,427 71	6,267,761 13	.....	6,267,761 13
69	Wabash Railway	37,721,104 49	24,874,417 07	12,846,687 42	1,169,380 37	101,765 93	5,857 88	11,671,449 17	.....	11,671,449 17
	Total Low. Pen. Cls. I & II	$410,189,368 29	$269,627,835 01	$140,561,533 28	$15,755,630 56	$3,257,076 65	$77,957 35	$124,727,945 40	$1,019 56	$124,728,964 96
	Class III.									
71	Blaney & Southern Ry.	$10,259 12	$12,535 09	*$2,275 97*	.....	.....	.....	*$2,275 97*	.....	*$2,275 97*
72	Garden Bay Ry.	.....	.....	.....	.....	.....	.....	.....	.....	.....
73	Hough., Chas. & Southwes. R. R.	11,836 55	11,836 55	.....	.....	.....	.....	.....	.....	.....
74	Keweenaw Central R. R.	20,053 63	28,104 86	*8,051 23*	$1,551 13	$1,551 13	.....	*9,602 36*	.....	*9,602 36*
75	Ontonagon R. R.	8,898 34	8,598 98	299 36	.....	.....	.....	299 36	.....	299 36
76	Quincy & Torch Lake R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
77	Sault Ste. Marie Bridge Co.	.....	.....	.....	.....	.....	.....	.....	.....	.....
78	Arcadia & Betsey River Ry.	16,498 70	15,968 15	530 55	591 19	591 19	.....	*60 64*	.....	*60 64*
79	Delray Terminal R. R.	17,190 00	37,655 78	*20,465 78*	1,800 00	1,800 00	.....	*22,265 78*	.....	*22,265 78*
80	Detroit & Charlevoix R. R.	52,339 64	75,532 71	*23,193 07*	4,277 00	4,277 00	.....	*27,470 07*	.....	*27,470 07*
81	Detroit & Huron R. R. (G. T.)	13,966 48	28,039 07	*14,072 59*	1,568 12	1,568 12	.....	*15,640 71*	.....	*15,640 71*
82	East Jordan & Southern R. R.	91,402 51	62,527 26	28,875 25	5,090 73	5,090 73	.....	23,784 52	.....	23,784 52
83	Empire & Southeastern R. R.	9,481 88	9,806 98	*325 10*	.....	.....	.....	*325 10*	.....	*325 10*
84	Erie & Michigan R. & Nav. Co.	56,336 51	38,072 64	18,263 87	2,631 09	2,631 09	.....	15,632 78	$762 86	16,395 64
85	Ludington & Northern Ry.	38,648 18	38,675 55	*27 37*	416 75	416 75	$65 00	*509 12*	.....	*509 12*
86	Michigan East & West Ry.	77,620 11	91,596 62	*13,976 51*	3,713 45	3,713 45	.....	*17,689 96*	.....	*17,689 96*
87	Port Huron Southern R. R.	32,865 50	20,097 58	12,767 92	905 12	905 12	.....	11,862 80	.....	11,862 80
89	Traverse City, Lee. & Manis. Ry.	38,409 85	30,792 68	7,617 17	459 36	459 36	.....	7,157 81	.....	7,157 81
90	Wyandotte & Southern R. R.	19,710 25	20,006 35	*296 10*	1,125 73	1,125 73	.....	*1,421 83*	.....	*1,421 83*
91	Wyandotte Terminal R. R.	79,295 60	81,184 12	*1,888 52*	612 44	612 44	.....	*2,500 96*	.....	*2,500 96*
	Total, Class III	$594,812 85	$611,030 97	*$16,218 12*	$24,742 11	$24,742 11	$65 00	*$41,025 23*	$762 86	*$40,262 37*

a. This includes $25,171.40 paid under provisions of special charter.
†Deficit items appear in italic type.

TABLE NO. 6.—INCOME ACCOUNT FOR THE YEAR.—Continued.

Number.	Railroads.	Non-operating income.								
		Hire of freight cars—credit balance. (503)	Rent from locomotives (504)	Rent from passenger-train cars. (505)	Joint facility rent income. (508)	Other rents. (506-7, 509-10)	Separately operated properties. (512)	Dividend income. (513)	Income from funded securities. (514)	Income from unfunded securities and accounts. (515)
	Upper Peninsula.									
1	Chicago, Milwaukee & St. Paul Ry	.....	$46,761 86	$79,167 80	$344,887 62	$459,802 97	$85,207 90	$171,821 00	$30,868 19	$1,567,482 89
2	Chicago & Northwestern Ry. Co	$69,114 67	88,763 71	282,350 08	98,671 88	123,205 61	.....	1,547,632 00	6,032 63	677,390 64
4	Copper Range Railroad Co	.....	.....	.....	.....	1,268 50	.....	.....	.....	4,404 12
5	The Duluth, South Shore & Atl. Ry	.....	17,659 42	393 65	18,404 61	1,257 86	.....	.....	8,505 58	14,894 19
6	Escanaba & Lake Superior Ry	.....	.....	.....	20,129 53	.....	.....	.....	.....	.....
7	Lake Superior & Ishpeming Ry	9,098 69	5,375 71	1,376 06	.....	692 50	.....	.....	.....	1,973 78
8	Manistique & Lake Superior R. R	.....	.....	.....	.....	.....	.....	.....	.....	734 86
9	Mineral Range R. R	.....	480 55	.....	5,437 22	.....	.....	.....	.....	.....
11	Minn., St. Paul & S. Ste. Marie Ry	139,736 33	12,303 67	21,686 22	73,708 94	37,799 16	.....	486,428 00	93,600 87	117,958 76
13	Munising, Marquette & Southeast. Ry.	.....	.....	.....	3,506 91	483 45	.....	.....	150 00	.....
14	Wisconsin & Michigan Ry	1,283 40	845 00	.....	10,643 42	.....	.....	.....	.....	.....
	Total Up. Peninsula, Cls. I & II	$219,233 09	$172,189 92	$384,973 81	$575,390 13	$624,510 05	$85,207 90	$2,205,881 00	$139,157 27	$2,384,839 24
	Lower Peninsula.									
16	Ann Arbor R. R	.....	$183 00	$120 00	$33,044 96	$4,941 26	.....	.....	$350 00	$95 13
17	Boyne City, Gay. & Alpena R. R	.....	.....	.....	.....	.....	.....	.....	.....	111 05
18	Chicago, Kalamazoo & Saginaw Ry	.....	3 00	.....	1,915 67	3,170 00	.....	.....	.....	1,544 34
19	Cincinnati Northern R. R	$3,043 17	3,538 72	100 49	5,222 09	3,612 81	.....	.....	.....	3,614 38
20	Cleve., Cin., Chi. & St. Louis Ry	.....	257,391 77	153,385 34	463,873 72	212,711 02	.....	$162,205 90	281,278 02	67,778 48
21	Delray Connecting R. R	.....	71 00	.....	.....	.....	.....	.....	.....	2,881 53
22	Detroit, Bay City & Western R. R	5,587 06	.....	.....	.....	.....	.....	.....	.....	.....
23	Detroit & Mackinac Ry	57,414 08	2,140 50	.....	.....	.....	.....	.....	.....	.....
24	Detroit Terminal R. R	.....	45 00	.....	.....	.....	.....	.....	.....	7,707 65
25	Detroit, Toledo & Ironton R. R	.....	1,905 90	*20 20*	43,030 27	5,557 36	.....	.....	.....	1,999 71
26	Detroit & Toledo Shore Line R. R	.....	.....	.....	.....	.....	.....	.....	.....	7,345 79
27	Grand Rapids & Indiana Ry	.....	7,968 89	11,000 21	38,387 47	17,832 26	.....	10 00	375 00	6,304 23
	Grand Trunk System:									
31	Chicago, Det. & Can.Gd.Tr.Jct.R.R.	.....	2,099 86	2,912 57	4,473 40	361 50	.....	.....	.....	.....
33	Cin., Saginaw & Mackinaw R. R	.....	835 98	731 25	74 67	*386 72*	.....	.....	.....	.....

34	Detroit, Gd. Haven & Milwaukee Ry	.....	3,747 74	3,470 97	7,833 35	460 00	.....	.....	.....	11 44
36	Grand Trunk Western Ry	80,185 06	7,462 07	.....	2,353 14	106,990 80	.....	189,920 00	95,840 00	6,455 01
37	Michigan Air Line Ry	.....	49 75	840 79	830 00	150 00	.....	.....	.....	.....
38	Pontiac, Oxford & Northern R. R.	.....	75	495 73	68 50	.....	.....	.....	.....	.....
39	St. Clair Tunnel Company	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry	.....	.....	656 82	28 63	*15 00*	.....	.....	.....	.....
41	Kalamazoo, Lake Shore & Chicago Ry	.....	.....	.....	.....	5,000 00	.....	.....	.....	.....
42	Manistee & Northeastern R. R.	861 35	10 00	76 80	4,698 00	.....	.....	.....	.....	.....
43	Michigan Central R. R.	.....	22,406 15	134,220 49	225,376 79	37,476 07	.....	476,017 25	46,739 17	180,069 73
61	New York Central Ry	.....	252,406 85	715,127 95	3,163,976 48	952,499 89	$1,624,239 64	11,099,697 29	476,229 86	2,295,420 13
67	Pere Marquette R. R.	.....	23,274 90	4,257 94	37,404 48	83,056 51	.....	33,097 16	2,820 00	79,981 86
69	Wabash Railway	.....	22,437 06	28,302 87	190,592 65	36,310 57	25,000 00	79,706 67	2,523 33	42,727 54
	Total Lower Pen. Cls. I & II	$147,090 72	$607,978 89	$1,055,680 02	$4,223,184 27	$1,469,728 33	$1,649,239 64	$12,040,654 27	$906,155 38	$2,704,048 00
	Class III.									
71	Blaney & Southern Ry	.....	.....	.....	.....	.....	.....	.....	.....	.....
72	Garden Bay Ry	.....	.....	.....	.....	.....	.....	.....	.....	.....
73	Houghton, Chas. & Southwest. R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
74	Keweenaw Central R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
75	Ontonagon R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
76	Quincy & Torch Lake R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
77	Sault Ste. Marie Bridge Co.	.....	.....	.....	.....	.....	.....	.....	.....	.....
78	Arcadia & Betsey River Ry	.....	.....	.....	.....	.....	.....	.....	.....	.....
79	Delray Terminal R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
80	Detroit & Charlevoix R. R.	.....	.....	.....	$871 00	$95 69	.....	.....	.....	$104 10
81	Detroit & Huron R. R. (Gd. Trunk)	.....	.....	.....	.....	.....	.....	.....	.....	.....
82	East Jordan & Southern R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
83	Empire & Southeastern R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
84	Erie & Michigan Ry. & Nav. Co.	$20,326 23	.....	.....	.....	.....	.....	.....	.....	477 87
85	Ludington & Northern Ry	.....	.....	.....	.....	.....	.....	.....	.....	.....
86	Michigan East & West Ry	.....	.....	.....	.....	294 00	.....	.....	.....	.....
87	Port Huron Southern R. R.	.....	.....	.....	.....	.....	.....	.....	.....	1,436 98
89	Traverse City, Leelanau & Manis. Ry.	.....	.....	.....	.....	100 00	.....	.....	.....	.....
90	Wyandotte Southern R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
91	Wyandotte Terminal R. R.	.....	$42 75	.....	.....	.....	.....	.....	.....	.....
	Total, Class III	$20,326 23	$42 75	.....	$871 00	$489 69	.....	.....	.....	$2,018 95

Deficit or reverse items appear in italic type.

TABLE NO. 6.—INCOME ACCOUNT FOR THE YEAR.—Continued.

Number.	Railroads.	Non-operating income.			Gross income.	Deductions from gross income.			
		Contributions from other companies. (518)	Other non-operating income. (511, 516-7 and 519)	Total non-operating income.		Hire of freight cars debit balance. (536)	Rent for locomotives. (537)	Rent for passenger-train cars. (538)	Joint facility rents. (541)
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry	.....	$329,740 82	$3,115,741 05	$34,442,980 32	$1,315,969 75	$32,461 68	$86,741 98	$1,034,792 01
2	Chicago & Northwestern Ry	.....	66,012 20	2,959,173 42	30,794,904 07	.....	96,036 74	278,555 26	318,865 70
4	Copper Range Railroad Co	.....	.....	5,672 62	227,627 35	6,611 88	.....	.....	3,230 08
5	The Duluth, South Shore & Atlantic Ry	.....	5,079 28	66,194 59	927,630 54	57,138 15	3,820 96	1,978 46	39,009 39
6	Escanaba & Lake Superior Ry	.....	10,247 92	30,377 45	74,684 65	14,501 89	.....	.....	.....
7	Lake Superior & Ishpeming Ry	.....	.....	18,516 74	224,313 24	.....	.....	.....	6,162 79
8	Manistique & Lake Superior R. R	.....	.....	734 86	32,485 53	3,720 31	.....	.....	.....
9	Mineral Range R. R	.....	1,365 75	7,283 52	177,290 23	28,277 49	5,527 57	152 97	3,968 20
11	Minneapolis, St. Paul & S. Ste. Marie Ry	.....	1,868 98	985,090 93	14,734,171 31	.....	14,888 65	16,245 65	289,373 76
13	Munising, Marquette & Southeastern Ry	.....	*1,548 47*	2,591 89	185,286 42	38,261 23	2,193 80	1,366 06	670 20
14	Wisconsin & Michigan Ry	.....	192 73	12,964 55	16,366 66	.....	.....	.....	7,318 41
	Total Upper Pen., Classes I and II	.....	$412,959 21	$7,204,341 62	$81,837,740 32	$1,464,480 70	$154,929 40	$385,040 38	$1,703,390 54
	Lower Peninsula.								
16	Ann Arbor R. R	.....	$17 00	$38,751 35	$700,516 50	$76,011 84	$1,151 54	$1,668 71	$6,215 94
17	Boyne City, Gaylord & Alpena R. R	.....	504 43	615 48	90,899 71	13,777 01	.....	.....	.....
18	Chicago, Kalamazoo & Saginaw Ry	.....	10 00	6,643 01	84,150 81	19,839 95	.....	.....	87 79
19	Cincinnati Northern R. R	.....	*600 46*	18,531 20	545,703 00	.....	1,115 59	79 30	111,791 61
20	Cleveland, Cincinnati, Chi. & St. Louis Ry	.....	135,621 77	1,734,246 02	15,497,948 28	416,540 20	248,607 91	272,238 42	562,562 76
21	Delray Connecting R. R	.....	401 96	3,993 49	44,693 05	2,845 36	1,380 00	.....	11,405 51
22	Detroit, Bay City & Western R. R	.....	.....	5,587 06	97,804 26	.....	.....	.....	.....
23	Detroit & Mackinac Ry	.....	.....	59,554 58	373,133 44	.....	.....	835 93	.....
24	Detroit Terminal R. R	.....	.....	7,752 65	293,618 79	113,822 50	5,785 00	.....	16 75
25	Detroit, Toledo & Ironton R. R	.....	.....	52,473 04	594,794 04	87,084 92	1,146 58	.....	66,269 32
26	Detroit & Toledo Shore Line R. R	.....	.....	7,345 79	936,732 44	296,949 30	.....	.....	41,795 83
27	Grand Rapids & Indiana Ry	.....	1,444 84	83,322 90	1,284,622 69	141,373 07	14,487 32	14,933 79	46,043 56
	Grand Trunk System:								
31	Chi., Detroit & Can. Gd. Tr. Jct. R. R	.....	.....	9,847 33	275,656 07	7,568 53	19,790 49	3,580 52	2,563 25
33	Cincinnati, Saginaw & Mackinaw R. R	$200,979 60	.....	202,234 78	96,271 71	1,877 54	5,681 61	546 42	318 81

34	Detroit, Grand Haven & Milwaukee Ry..	195,828 00	771 89	212,123 39	704,757 58	256,432 32	51,160 39	17,361 44	1,585 08
36	Grand Trunk Western Ry.....	392,452 82	2,732 73	884,391 63	3,570,712 89	433,701 73	117,049 72	79,686 92	319,947 52
37	Michigan Air Line Ry.....	98,577 89	.....	100,448 43	34,624 58	2,128 13	6,064 08	369 69	.....
38	Pontiac, Oxford & Northern R. R.....	321,034 81	.....	321,599 79	346,021 75	10,951 68	4,587 58	2,903 66	.....
39	St. Clair Tunnel Company.....	.....	.....	.....	217,523 51	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry.....	168,395 12	6,671 00	175,736 57	117,358 39	20,660 53	3,929 56	1,131 83	7,874 47
41	Kalamazoo, Lake Shore & Chicago Ry....	.....	.....	5,000 00	33,843 81	6,195 93	.....	.....	304 98
42	Manistee & Northeastern R. R.....	.....	.....	5,646 15	99,633 59	.....	.....	296 14	42 00
43	Michigan Central R. R.....	.....	3,244 23	1,125,549 88	15,201,719 31	2,167,760 91	29,552 93	263,303 43	587,972 75
61	New York Central Ry.....	.....	604,300 39	21,183,898 48	91,792,307 46	3,519,830 59	82,854 05	650,389 88	1,351,431 66
67	Pere Marquette R.R.....	.....	4,797 60	268,690 45	6,536,451 58	1,010,494 34	26,643 91	21,426 00	675,037 43
69	Wabash Railway.....	.....	82,171 31	509,772 00	12,181,221 17	1,534,874 50	60,718 66	64,327 32	1,796,415 49
	Total Lower Peninsula Cls. I and II....	$1,377,268 24	$842,088 69	$27,023,755 44	$151,752,720 41	$10,140,720 28	$681,706 92	$1,395,079 40	$5,589,682 51
	Class III.								
71	Blaney & Southern Ry.....	.....	.....	.....	*$2,275 97*	.....	.....	.....	.....
72	Garden Bay Ry.....	.....	.....	.....	.....	.....	.....	.....	.....
73	Houghton, Chassell & Southwest R. R	.....	.....	.....	.....	.....	.....	.....	.....
74	Keweenaw Central R. R.....	.....	.....	.....	*9,602 36*	$251 30	.....	.....	.....
75	Ontonagon R. R.....	.....	.....	.....	299 36	.....	.....	.....	$999 96
76	Quincy & Torch Lake R. R.....	.....	.....	.....	.....	.....	.....	.....	.....
77	Sault Ste. Marie Bridge Co.....	.....	.....	.....	.....	.....	.....	.....	.....
78	Arcadia & Betsey River Ry.....	.....	.....	.....	*60 64*	180 30	.....	.....	.....
79	Delray Terminal R. R.....	.....	.....	.....	*22,265 78*	.....	.....	.....	.....
80	Detroit & Charlevoix R. R.....	.....	.....	$1,070 79	*26,399 28*	5,994 40	$1,474 41	$192 62	51 20
81	Detroit & Huron R. R. (Gd. Trunk).....	$73,905 86	.....	73,905 86	58,265 15	557 10	570 35	232 89	.....
82	East Jordan & Southern R. R.....	.....	.....	.....	23,784 52	5,351 11	.....	.....	.....
83	Empire & Southeastern R. R.....	.....	.....	.....	*325 10*	.....	.....	.....	.....
84	Erie & Michigan Ry. & Nav. Co.....	.....	*$251 48*	20,552 62	36,948 26	.....	149 30	35 00	.....
85	Ludington & Northern Ry.....	.....	*483 64*	*483 64*	*992 76*	501 04	.....	.....	.....
86	Michigan East & West Ry.....	.....	.....	294 00	*17,395 96*	9,432 40	10 00	15 00	94 17
87	Port Huron Southern R. R.....	.....	.....	1,436 98	13,299 78	.....	.....	.....	.....
89	Traverse City, Leelanau & Manis. Ry....	.....	.....	100 00	7,257 81	2,965 83	.....	.....	5,150 00
90	Wyandotte Southern R. R.....	.....	.....	.....	*1,421 83*	600 00	1,800 00	.....	.....
91	Wyandotte Terminal R. R.....	.....	.....	42 75	*2,458 21*	.....	.....	.....	.....
	Total, Class III.....	$73,905 86	*$735 12*	$96,919 36	$56,656 99	$25,833 48	$4,004 06	$475 51	$6,295 33

Reverse items appear in italic type.

TABLE NO. 6.—INCOME ACCOUNT FOR THE YEAR.—Continued.

Number.	Railroads.	Deductions from gross income.							
		Rents for leased roads. (542)	Other rents. (539-40, 543)	Miscellaneous tax accruals. (544)	Separately operated properties.—Loss. (545)	Interest on funded debt. (546)	Interest on unfunded debt. (547)	Amortisation of discount on funded debt. (548)	Other deductions from income. (549-50-51)
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry.	.....	$28,098 41	$70,377 03	.....	$15,595,310 68	$31,509 83	.....	$37,877 07
2	Chicago & Northwestern Ry.	$121,961 64	109,806 52	119,269 82	.....	9,368,308 82	4,387 54	.....	8,787 67
4	Copper Range Railroad Co.	.....	3,136 88	62 09	.....	114,000 00	.....	.....	.....
5	The Duluth, South Shore & Atlantic Ry.	.....	117 22	1,091 77	$32,108 66	871,898 68	12 09	.....	569 75
6	Escanaba & Lake Superior Ry.	.....	.....	.....	.....	.....	18,600 00	.....	.....
7	Lake Superior & Ishpeming Ry.	.....	90 00	.....	.....	70,474 11	3,911 67	.....	.....
8	Manistique & Lake Superior R. R.	.....	.....	.....	.....	8,250 00	122 75	.....	.....
9	Mineral Range R. R.	2,700 00	270 90	.....	.....	99,761 63	.....	.....	.....
11	Minneapolis, St. Paul & S. Ste. Marie Ry.	5,560,585 89	3,142 43	19 98	32,628 29	3,558,691 17	.....	.....	.....
13	Munising, Marquette & Southeastern Ry.	.....	1,288 67	4,665 41	.....	56,400 00	61,882 16	.....	.....
14	Wisconsin & Michigan Ry.	.....	.....	.....	83 15	.....	.....	.....	.....
	Total, Upper Peninsula, Cls. I & II	$5,685,247 53	$146,131 03	$195,486 10	$64,820 10	$29,743,095 09	$120,426 04	.....	$47,234 49
	Lower Peninsula.								
16	Ann Arbor R. R.	.....	$10,628 28	.....	$925 70	$342,792 13	$10,045 10	.....	.....
17	Boyne City, Gaylord & Alpena R. R.	.....	.....	.....	.....	3,141 10	7,190 04	.....	$8 90
18	Chicago, Kalamazoo & Saginaw Ry.	.....	4 28	.....	.....	50,720 00	08	.....	.....
19	Cincinnati Northern R. R.	.....	591 92	.....	.....	63,137 42	6,494 05	$3,658 98	211 67
20	Cleveland, Cin., Chi. & St. Louis Ry.	$571,041 00	203,792 89	$456 07	72,353 22	4,718,774 25	79,313 62	10,165 30	10,400 26
21	Delray Connecting R. R.	1,553 29	5 00	.....	.....	.....	14,873 53	.....	.....
22	Detroit, Bay City & Western R. R.	.....	.....	.....	.....	29,958 25	342 67	.....	470 06
23	Detroit & Mackinac Ry.	.....	300 00	.....	.....	92,000 00	.....	.....	.....
24	Detroit Terminal R. R.	.....	146 00	125 96	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R.	15,333 31	807 52	5,983 11	.....	70,921 31	2 23	3,357 35	.....
26	Detroit & Toledo Shore Line R. R.	.....	686 00	.....	.....	120,000 00	.....	.....	.....
27	Grand Rapids & Indiana Ry.	266,858 75	2,787 96	387 40	.....	438,605 00	478 85	.....	967 14
	Grand Trunk System:								
31	Chicago Detroit & Can. Gd. Tr. Jct. R.R.	88,546 56	1,049 37	.....	.....	.....	176 14	.....	262,733 56
33	Cincinnati, Saginaw & Mackinaw R. R.	43,225 00	49	.....	.....	.....	67 78	.....	.....

34	Detroit, Gd. Haven & Milwaukee Ry		39,136 04			360,597 45	72 04		
36	Grand Trunk Western Ry	3,000 00	2,471 05	2,715 44	417,802 40	1,298,969 90	1,179 45	31,248 43	1,386,656 94
37	Michigan Air Line Ry								
38	Pontiac, Oxford & Northern R. R.					12,000 00	12,000 00		
39	St. Clair Tunnel Company					125,000 00			
40	Toledo, Saginaw & Muskegon Ry					83,100 00			
41	Kalamazoo, Lake Shore & Chicago Ry	12,176 00				19,500 00			
42	Manistee & Northeastern R. R.	500 00				62,550 00	4,457 63		875 20
43	Michigan Central R. R.	3,259,907 22	4,417 09	2,466 01	27,464 44	1,768,138 09	225,804 00	22,704 00	4,856 25
61	New York Central Ry	9,495,539 83	1,082,004 14	116,557 81	25,047 85	28,870,849 62	617,035 95	255,816 00	65,732 68
67	Pere Marquette R. R.	*480 63*	11,110 68			3,625,339 20	1,087,686 35		1,308 01
69	Wabash Railway	73,294 77	43,259 21	7,627 62	36,871 90	3,162,546 06	11,332 16	*2,454 25*	1,499 52
	Total, Lower Peninsula, Cls. I and II	$13,830,495 10	$1,403,197 92	$136,319 42	$580,465 51	$45,318,639 78	$2,078,551 67	$324,495 81	$1,735,720 19
	Class III.								
71	Blaney & Southern Ry								
72	Garden Bay Ry								
73	Houghton, Chassell & Southwestern R. R.								
74	Keweenaw Central R. R.						$1,762 50		
75	Ontonagon R. R.			$4 80			75 00		
76	Quincy & Torch Lake R. R.								
77	Sault Ste. Marie Bridge Co.								
78	Arcadia & Betsey River Ry								
79	Delray Terminal R. R.								
80	Detroit & Charlevoix R. R.	$25 00							
81	Detroit & Huron R. R. (Gd. Trunk)								
82	East Jordan & Southern R. R.								
83	Empire & Southeastern R. R.								
84	Erie & Michigan Ry. & Nav. Co.								
85	Ludington & Northern Ry			15 47		$2,025 00	1,682 03		
86	Michigan East & West Ry		$10 00				3,732 86		
87	Port Huron Southern R. R.								
89	Traverse City, Leelanau & Manis. Ry					802 38	2,148 88		
90	Wyandotte Southern R. R.	400 00					660 00		
91	Wyandotte Terminal R. R.								
	Total, Class III	$425 00	$10 00	$20 27		$2,827 38	$10,061 27		

Reverse items appear in italic type.

TABLE NO. 6.—INCOME ACCOUNT FOR THE YEAR.—Concluded.

Number.	Railroads.	Total deductions from gross income.	Net income.†	Disposition of net income.						Income balance† transferred to profit and loss.
				Income applied to sinking and other reserve funds. (552)	Dividend appropriations of income. (553)	Income appropriated for investment in physical property. (554)	Stock discount extinguished through income. (555)	Miscellaneous appropriations of income. (556)	Total appropriations of income.	
	Upper Peninsula.									
1	Chicago, Mil. & St. Paul Ry	$18,233,138 44	$16,209,841 88	$141,581 57	.....	.....	.....	.....	$141,581 57	$16,068,260 31
2	Chicago & Northwestern Ry	10,425,979 71	20,368,924 36	199,574 82	$10,899,615 00	.....	.....	.....	11,099,189 82	9,269,734 54
4	Copper Range Railroad Co	127,220 93	100,406 42	.....	.....	.....	.....	.....	.....	100,406 42
5	The Dul., S. Shore & Atlantic Ry	1,007,745 13	*80,114 59*	.....	.....	.....	.....	.....	.....	*80,114 59*
6	Escanaba & Lake Superior Ry	33,101 89	41,582 76	.....	.....	.....	.....	.....	.....	41,582 76
7	Lake Superior & Ishpeming Ry	80,638 57	143,674 67	.....	.....	.....	.....	.....	.....	143,674 67
8	Manis. & Lake Superior R. R.	12,093 06	20,392 47	.....	.....	.....	.....	.....	.....	20,392 47
9	Mineral Range R. R.	140,658 76	36,631 47	.....	.....	.....	.....	.....	.....	36,631 47
11	Minn., St. Paul & S. Ste. Marie Ry	9,475,575 82	5,258,595 49	.....	.....	.....	.....	.....	.....	5,258,595 49
13	Munising, Mar. & Southeast. Ry.	166,727 53	18,558 89	.....	.....	.....	.....	.....	.....	18,558 89
14	Wisconsin & Michigan Ry	7,401 56	8,965 10	.....	.....	.....	.....	.....	.....	8,965 10
	Tot. Up. Pen. Classes I and II	$39,710,281 40	$42,127,458 92	$341,156 39	$10,899,615 00	.....	.....	.....	$11,240,771 39	$30,886,687 53
	Lower Peninsula.									
16	Ann Arbor R. R.	$449,439 24	$251,077 26	.....	.....	.....	.....	.....	.....	$251,077 26
17	Boyne City, Gay. & Alpena R. R.	24,117 05	66,782 66	.....	.....	.....	.....	.....	.....	66,782 66
18	Chicago, Kalamazoo & Sag. R. R.	70,652 10	13,498 71	.....	.....	.....	.....	.....	.....	13,498 71
19	Cincinnati Northern R. R.	187,080 54	358,622 46	.....	.....	.....	.....	.....	.....	358,622 46
20	Cleve., Cin., Chi. & St. L. Ry.	7,166,245 90	8,331,702 38	$28,966 67	$374,943 75	$177,827 93	.....	$750,000 00	$1,331,738 35	6,999,964 03
21	Delray Connecting R. R.	32,062 69	12,630 36	.....	.....	.....	.....	.....	.....	12,630 36
22	Detroit, Bay City & Western R. R.	30,770 98	67,033 28	.....	.....	.....	.....	.....	.....	67,033 28
23	Detroit & Mackinac Ry	93,135 93	279,997 51	100,000 00	147,500 00	56,396 86	.....	.....	303,896 86	*23,899 35*
24	Detroit Terminal R. R.	119,896 21	173,722 58	.....	.....	.....	.....	.....	.....	173,722 58
25	Detroit, Toledo & Ironton R. R.	250,905 65	343,888 39	.....	.....	.....	.....	.....	.....	343,888 39
26	Detroit & Toledo S. Line R. R.	459,431 13	477,301 31	.....	114,240 00	.....	.....	.....	114,240 00	363,061 31
27	Grand Rapids & Indiana Ry	926,922 84	357,699 85	.....	.....	300,000 00	.....	.....	300,000 00	57,699 85
	Grand Trunk System:									
31	Chi., Det. & Can. Gd. Tr. Jct. R. R.	386,008 42	*110,352 35*	.....	.....	.....	.....	.....	.....	*110,352 35*
33	Cin., Sag. & Mackinaw R. R.	51,717 65	44,554 06	.....	.....	.....	.....	.....	.....	44,554 06

34	Det.,Gd.Haven&MilwaukeeR	726,344 76	*21,587 18*	.....	.....	.....	.....	.....	.....	*21,587 18*
36	Grand Trunk Western Ry.....	4,094,429 50	*523,716 61*	.....	.....	.....	.....	.....	.....	*523,716 61*
37	Michigan Air Line Ry.....	8,561 90	26,062 68	.....	.....	.....	.....	.....	.....	26,062 68
38	Pontiac,Oxford & NorthernR.R.	42,442 92	303,578 83	.....	.....	.....	.....	.....	.....	303,578 83
39	St. Clair Tunnel Company.....	125,000 00	92,523 51	.....	.....	.....	.....	81,530 19	81,530 19	10,993 32
40	Toledo,Saginaw&Muskegon Ry.	116,696 39	662 00	.....	.....	.....	.....	.....	.....	662 00
41	Kalamazoo, Lake Shore & Chi. Ry.	38,176 91	*4,333 10*	.....	.....	5,340 11	.....	.....	5,340 11	*9,673 21*
42	Manistee & Northeastern R. R....	68,720 97	30,912 62	.....	.....	.....	.....	.....	.....	30,912 62
43	Michigan Central R. R.....	8,364,347 12	6,837,372 19	.....	749,456 00	1,700,984 23	.....	500,000 00	2,950,440 23	3,886,931 96
61	New York Central Ry.....	46,133,090 06	45,659,217 40	.....	12,466,611 25	.....	.....	2,500,000 00	14,966,611 25	30,692,606 15
67	Pere Marquette R. R.....	6,458,565 29	77,886 29	.....	.....	.....	.....	.....	.....	77,886 29
69	Wabash Railway.....	6,790,312 96	5,390,908 21	84,410 00	462,000 00	.....	.....	.....	546,410 00	4,844,498 21
	Tot. Low. Pen., Classes I and II.	$83,215,075 11	$68,537,645 30	$213,376 67	$14,314,751 00	$2,240,549 13	.....	$3,831,530 19	$20,600,206 99	$47,937,438 31
	Class III.									
71	Blaney & Southern Ry.....	.....	*$2,275 97*	.....	.....	.....	.....	.....	.....	*$2,275 97*
72	Garden Bay Ry.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
73	Hough., Chas. & Southwest R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
74	Keweenaw Central R. R.....	$2,013 80	*11,616 16*	.....	.....	.....	.....	.....	.....	*11,616 16*
75	Ontonagon R. R.....	1,079 76	*780 40*	.....	.....	.....	.....	.....	.....	*780 40*
76	Quincy & Torch Lake R. R.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
77	Sault Ste. Marie Bridge Co.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
78	Arcadia & Betsey River Ry.....	180 30	*240 94*	.....	.....	.....	.....	.....	.....	*240 94*
79	Delray Terminal R. R.....	.....	*22,265 78*	.....	.....	.....	.....	.....	.....	*22,265 78*
80	Detroit & Charlevoix R. R.....	7,737 63	*34,136 91*	.....	.....	.....	.....	.....	.....	*34,136 91*
81	Detroit & Huron R. R. (Gd. T.)...	1,360 34	56,904 81	.....	.....	.....	.....	.....	.....	56,904 81
82	East Jordan & Southern R. R.....	5,351 11	18,433 41	.....	$25,000 00	.....	.....	.....	$25,000 00	*6,566 59*
83	Empire & Southeastern R. R.....	.....	*325 10*	.....	.....	.....	.....	.....	.....	*325 10*
84	Erie & Michigan Ry. & Nav. Co...	184 30	36,763 96	.....	.....	.....	.....	.....	.....	36,763 96
85	Ludington & Northern Ry.....	4,223 54	*5,216 30*	.....	.....	.....	.....	.....	.....	*5,216 30*
86	Michigan East & West Ry.....	13,294 43	*30,690 39*	.....	.....	.....	.....	.....	.....	*30,690 39*
87	Port Huron Southern R. R.....	.....	13,299 78	.....	.....	.....	.....	.....	.....	13,299 78
89	Trav. City, Leela. & Manis. Ry...	11,067 09	*3,809 28*	.....	.....	.....	.....	.....	.....	*3,809 28*
90	Wyandotte Southern R. R.....	3,469 00	*4,881 83*	.....	.....	.....	.....	.....	.....	*4,881 83*
91	Wyandotte Terminal R. R.....	.....	*2,458 21*	.....	.....	.....	.....	.....	.....	*2,458 21*
	Total, Class III.....	$49,952 30	$6,704 69	.....	$25,000 00	.....	.....	.....	$25,000 00	*$18,295 31*

†Deficit items appear in italic type.

TABLE NO. 7.—RAILWAY OPERATING REVENUES.—MICHIGAN.

Number.	Operating Railroads.	Freight. (101)	Passenger. (102)	Excess baggage. (103)	Sleeping, parlor and chair car. (104) (105)	Mail. (106)	Express. (107)	Other passenger-train. (108)	Milk. (109)	Switching. (110)
	Upper Peninsula.									
1	Chicago, Milwaukee & St. Paul Ry	$1,265,621 54	$147,968 40	$1,111 37	$8,990 61	$27,647 94	$20,419 53	$119 13	$295 07	$5,379 75
2	Chicago & Northwestern Ry	3,498,704 70	392,175 47	3,657 68	213 84	74,281 03	61,566 02	1,194 89	7,377 41	31,079 56
4	Copper Range Railroad Co	685,085 28	154,173 23	427 82	.....	8,560 89	8,651 56	823 74	.....	19,444 81
5	Duluth, South Shore & Atlantic Ry	2,178,522 34	848,245 93	7,341 32	37,565 41	53,726 57	31,908 99	1,335 24	147 21	11,727 04
6	Escanaba & Lake Superior Ry	253,865 61	15,727 18	.....	.....	2,549 50	378 12	.....	.....	1,202 00
7	Lake Superior & Ishpeming Ry	668,491 14	3,228 91	15 72	.....	.....	198 71	.....	3 11	5,217 50
8	Manistique & Lake Superior R. R.	106,136 82	9,627 55	44 37	.....	1,612 56	1 93	.....	.....	24,188 00
9	Mineral Range R. R.	1,044,784 70	34,533 68	577 01	.....	3,489 86	3,235 43	391 22	.....	10,560 88
11	Minn., St. Paul & S. Ste. Marie Ry	1,095,590 42	200,376 05	1,947 96	12,191 07	32,756 51	31,694 10	165 77	1 83	2,348 89
13	Munising, Marquette & Southeast. Ry	541,691 03	68,293 24	410 56	.....	5,297 04	8,635 74	7 24	769 04	4,879 95
14	Wisconsin & Michigan Ry	44,729 76	4,748 96	17 67	.....	817 57	87 23	.....	375 08	*15 00*
	Total Upper Pen., Classes I and II	$11,383,223 34	$1,879,098 60	$15,551 48	$58,960 93	$210,739 47	$166,777 36	$4,037 23	$8,968 75	$116,013 38
	Lower Peninsula.									
16	Ann Arbor R. R.	$2,050,145 96	$536,410 20	$4,612 79	$2,239 82	$40,706 01	$42,175 15	$132 39	$8,224 81	$33,176 33
17	Boyne City, Gaylord & Alpena R. R.	269,349 58	24,817 05	333 32	.....	1,589 47	2,478 86	.....	34 16	6,635 45
18	Chicago, Kalamazoo & Saginaw R. R.	53,554 64	37,976 30	240 87	.....	3,660 22	2,126 59	.....	971 78	117,960 63
19	Cincinnati Northern R. R.	194,474 50	55,262 79	317 65	.....	3,658 39	3,963 44	.....	108 09	4,423 00
20	Cleve., Cin., Chi. & St. Louis Ry	86,104 66	12,969 30	162 14	.....	4,523 76	19,539 98	4 22	344 24	3,293 00
21	Delray Connecting R. R.	101,069 22	.....	.....	.....	.....	.....	.....	.....	195,886 67
22	Detroit, Bay City & Western R. R.	149,656 76	60,159 16	345 26	.....	3,876 91	3,350 75	.....	.....	82 00
23	Detroit & Mackinac Ry	841,605 79	327,907 41	3,035 01	1,523 25	35,820 32	24,525 35	.....	708 09	3,320 42
24	Detroit Terminal R. R.	.....	.....	.....	.....	.....	.....	.....	.....	645,628 00
25	Detroit, Toledo & Ironton R. R.	414,121 39	34,958 07	282 37	.....	4,745 37	3,253 52	.....	7,248 53	10,120 09
26	Detroit & Toledo Shore Line R. R.	1,258,155 23	.....	.....	.....	.....	.....	.....	.....	1,212 74
27	Grand Rapids & Indiana Ry	2,571,930 46	1,247,501 39	14,725 34	.....	74,323 26	112,452 21	10,648 34	12,347 23	47,442 75
	Grand Trunk System:									
31	Chi., Det. & Can. Gd. Tr. Jct. R. R.	764,180 79	213,557 97	1,593 44	1,404 11	14,150 31	7,432 34	105 77	2,787 43	166,625 87
33	Cincinnati, Saginaw & Mackinaw R.R.	185,023 93	49,809 22	538 86	.....	7,313 95	6,216 39	98 56	5 38	5,604 25

34	Detroit, Gd. Haven & Milwaukee Ry.	2,205,084 23	603,551 54	5,350 68	3,682 88	35,552 96	82,243 75	442 66	11,285 89	213,157 62
36	Grand Trunk Western Ry	4,891,855 91	1,132,077 01	9,777 93		110,450 95	113,635 81	947 51	393 17	34,614 23
37	Michigan Air Line Ry	197,607 00	44,488 57	457 82		8,167 73	6,933 71	37 27	1,866 01	1,879 92
38	Pontiac, Oxford & Northern R. R.	139,405 60	88,956 90	908 13		11,690 77	11,021 62	65 96	42 11	42,757 33
39	St. Clair Tunnel Company									187,192 00
40	Toledo, Saginaw & Muskegon Ry	137,470 63	33,705 71	430 35		7,848 35	6,929 71	29 29	52 66	3,936 63
41	Kalamazoo, Lake Shore & Chicago Ry.	47,765 29	36,220 64	179 35		1,194 57	2,074 89	5 28	939 03	743 28
42	Manistee & Northeastern R. R.	407,710 46	82,751 58	900 41		9,323 43	4,274 93		332 02	3,979 50
43	Michigan Central R. R.	17,083,069 04	6,621,683 46	56,012 66		337,684 93	1,816,391 24	50,252 04	59,132 55	657,817 75
61	New York Central Ry	2,871,400 12	1,239,784 10	9,738 91		113,476 35	164,251 03	416 88	6,635 79	138,630 05
67	Pere Marquette R. R.	12,865,542 74	3,436,014 83	33,613 71	51,205 15	278,368 24	469,098 49	1,166 41	150,323 99	297,003 43
69	Wabash Railway	2,228,051 66	467,738 34	4,075 54	12 36	17,907 03	64,333 66	130 33	40,443 68	58,692 35
	Total, Low. Pen., Classes I and II	$52,014,335 59	$16,388,301 54	$147,632 54	$60,067 57	$1,126,033 28	$2,968,703 42	$64,412 91	$304,226 64	$2,881,825 29
	Class III.									
71	Blaney & Southern Ry	$9,783 82	$475 30							
72	Garden Bay Ry									
73	Houghton, Chassell & Southwestern R. R.	10,955 65	240 90							$6 40
74	Keweenaw Central R. R.	10,023 46	9,401 00	$1 80		$259 81	$242 41			
75	Ontonagon R. R.	8,403 16	240 00			255 18				
76	Quincy & Torch Lake R. R.									
77	Sault Ste. Marie Bridge Co.									
78	Arcadia & Betsey River Ry	12,676 67	2,132 57	30 21		943 41	261 72			36 00
79	Delray Terminal R. R.									17,190 00
80	Detroit & Charlevoix R. R.	41,190 73	8,895 08	115 58		1,536 00	267 79			17 00
81	Detroit & Huron R. R. (Gd. Trunk)	5,873 03	6,041 26	77 39		838 79	981 87	$1 57		
82	East Jordan & Southern R. R.	82,530 61	7,255 46	138 53		1,117 91	360 00			
83	Empire & Southeastern R. R.	4,768 53	1,296 65	35 10		535 69	522 65			145 25
84	Erie & Michigan Ry. & Nav. Co.	45,115 60	803 60			187 46	52 25			9,888 08
85	Ludington & Northern Ry		6,541 79					544 06		31,562 33
86	Michigan East & West Ry	58,118 43	13,609 85	150 13		2,771 74	489 55		$284 12	1,248 00
87	Port Huron Southern R. R.									31,912 50
89	Traverse City, Leele. & Manis. Ry	18,103 64	17,006 55	146 09		1,358 20	1,276 34		186 52	
90	Wyandotte Southern R. R.									19,254 00
91	Wyandotte Terminal R. R.									79,295 60
	Total, Class III	$307,543 33	$73,940 01	$694 83		$9,804 19	$4,454 58	$545 63	$470 64	$190,555 16

Reverse items appear in italic type.

TABLE NO. 7.—RAILWAY OPERATING REVENUES.—MICHIGAN.—Concluded.

Number.	Operating Railroads.	Special service train. (111)	Other freight-train. (112)	Water transfer-freight. (113)	Water transfer-passenger. (114)	Total rail-line transportation revenue. (c)	Total incidental operating revenue. (d)	Total joint facility operating revenue. (e)	Total railway operating revenues within the State of Michigan. (f)	Total railway operating revenues, entire line. (b)
	Upper Peninsula.									
1	Chicago, Milwaukee & St. Paul Ry.	$2,535 71	.....	.....	.....	$1,480,089 05	$86,901 94	.....	$1,566,990 99	$110,609,688 86
2	Chicago & Northwestern Ry.....	12 25	$158 95	.....	.....	4,070,421 80	306,850 71	.....	4,377,272 51	97,978,843 70
4	Copper Range Railroad Co.....	1,285 99	.....	.....	.....	878,453 32	52,153 10	.....	930,606 42	930,606 42
5	Duluth, South Shore & Atl. Ry....	6,109 58	26 96	.....	.....	3,176,656 59	108,209 55	$2,563 99	3,287,430 13	3,750,688 10
6	Escanaba & Lake Superior Ry....	.....	.....	.....	.....	273,722 41	1,293 04	.....	275,015 45	275,015 45
7	Lake Superior & Ishpeming Ry....	.....	.....	.....	.....	677,155 09	150,957 74	.....	828,112 83	828,112 83
8	Manis. & Lake Superior R. R.....	39 00	34 00	.....	.....	141,684 23	1,220 11	.....	142,904 34	142,904 34
9	Mineral Range R. R.....	702 50	.....	.....	.....	1,098,275 28	9,505 80	.....	1,107,781 08	1,107,781 08
11	Minn., St. Paul & S. S. Marie Ry..	1,689 75	.....	.....	.....	1,378,762 35	37,207 42	2,346 64	1,418,316 41	34,472,084 31
13	Munis. Mar. & Southeastern Ry...	385 00	1,120 23	.....	.....	631,489 07	25,163 07	.....	656,652 14	656,652 14
14	Wisconsin & Michigan Ry.....	.....	.....	.....	.....	50,761 27	81 00	.....	50,842 27	130,364 90
	Tot. Up. Pen. Cls. I and II.....	$12,759 78	$1,340 14	.....	.....	$13,857,470 46	$779,543 48	$4,910 63	$14,641,924 57	$250,082,742 13
	Lower Peninsula.									
16	Ann Arbor R. R.....	$1,705 93	.....	$6,263 76	$2,525 79	b $2,728,888 92	$24,054 85	.....	$2,752,943 77	$2,807,121 22
17	Boyne City, Gay. & Alpena R. R..	.....	.....	.....	.....	305,237 89	5,116 12	.....	310,354 01	310,354 01
18	Chi., Kalamazoo & Saginaw R. R..	.....	.....	.....	.....	216,491 03	6,607 90	.....	223,098 93	223,098 93
19	Cincinnati Northern R. R.....	.....	.....	.....	.....	262,207 86	1,218 67	.....	263,426 53	1,909,946 86
20	Cleve., Cin., Chi. & St. Louis Ry..	.....	.....	.....	.....	126,941 30	2,975 63	$39 48	129,956 41	46,678,240 44
21	Delray Connecting R. R.....	.....	.....	.....	.....	296,955 89	7 00	.....	296,962 89	296,962 89
22	Detroit, Bay City & West. R. R...	.....	.....	.....	.....	217,470 84	4,094 04	*1,691 41*	219,873 47	219,873 47
23	Detroit & Mackinac Ry.....	1,937 05	.....	.....	.....	1,240,382 69	11,054 14	2,665 33	1,254,102 16	1,254,102 16
24	Detroit Terminal R. R.....	.....	.....	.....	.....	645,628 00	82,354 05	.....	727,982 05	727,982 05
25	Detroit, Toledo & Ironton R. R...	255 11	$109 26	.....	.....	475,093 71	5,765 21	.....	480,858 92	2,440,908 20
26	Detroit & Toledo Sh. Line R. R...	.....	.....	.....	.....	1,259,367 97	10,105 22	.....	1,269,473 19	1,757,542 84
27	Grand Rapids & Indiana Ry.....	3,658 88	.....	.....	.....	4,095,029 86	104,894 96	*12,396 16*	4,187,528 66	5,897,565 75
	Grand Trunk System:									
31	Chi., Det. & Can.Gd.Tr.Jct.R.R	708 00	.....	.....	.....	1,172,546 03	28,613 63	.....	1,201,159 66	1,201,159 66
33	Cin., Saginaw & Mackinaw R. R	195 00	.....	.....	.....	254,735 54	5,245 59	.....	259,981 13	259,981 13
34	Det.,Gd.Haven & Milwaukee Ry	578 88	.....	.....	.....	3,160,931 09	113,588 76	*2 52*	3,274,517 33	3,274,924 72

36	Grand Trunk Western Ry	2,103 91				6,295,856 43	91,765 89	871 24	6,388,493 56	9,229,591 60
37	Michigan Air Line Ry	199 50				261,637 53	2,695 08		264,332 61	264,332 61
38	Pontiac, Oxford & Northern R.R	580 35				295,428 77	1,968 94		297,397 71	297,397 71
39	St. Clair Tunnel Company					187,192 00	4,390 83		191,582 83	379,270 08
40	Tol., Saginaw & Muskegon Ry	642 12				191,045 45	3,530 37		194,575 82	194,575 82
41	Kal., Lake Shore & Chicago Ry					89,122 33	1,421 25		90,543 58	90,543 58
42	Manistee & Northeastern R. R.	275 00				509,547 33	3,605 68		513,153 01	513,153 01
43	Michigan Central R. R	12,156 47				26,694,200 14	1,130,138 97	4,109 17	27,828,448 28	46,418,790 11
61	New York Central Ry	4,805 86				4,549,139 09	109,845 10		4,658,984 19	223,261,590 46
67	Pere Marquette R. R	6,779 12		42,021 41	7,715 67	a 17,640,598 63	341,513 60	33,708 41	18,015,820 64	22,559,254 49
69	Wabash Railway					2,881,384 95	82,192 34	21,085 18	2,984,662 47	37,721 104 49
	Total Lower Pen., Cls. I and II	$36,581 18	$109 26	$48,285 17	$10,241 46	$76,053,061 27	$2,178,763 82	$48,388 72	$78,280,213 71	$410,189,368 19
	Class III.									
71	Blaney & Southern Ry					$10,259 12			$10,259 12	$10,259 12
72	Garden Bay Ry									
73	Hough., Chas. & Southwes. R. R.					11,836 55			11,836 55	11,836 55
74	Keweenaw Central R. R					19,928 48	$125 15		20,053 63	20,053 63
75	Ontonagon R. R					8,898 34			8,898 34	8,898 34
76	Quincy & Torch Lake R. R									
77	Sault Ste. Marie Bridge Co									
78	Arcadia & Betsey River Ry					16,080 58	418 12		16,498 70	16,498 70
79	Delray Terminal R. R					17,190 00			17,190 00	17,190 00
80	Detroit & Charlevoix R. R					52,022 18	317 46		52,339 64	52,339 64
81	Det. & Huron R. R. (Gd. Trunk)					13,813 91	152 57		13,966 48	13,966 48
82	East Jordan & Southern R. R					91,402 51			91,402 51	91,402 51
83	Empire & Southeastern R. R	$25 00	$2,153 01			9,481 88			9,481 88	9,481 88
84	Erie & Michigan Ry. & Nav. Co					56,046 99	289 52		56,336 51	56,336 51
85	Ludington & Northern Ry					38,648 18			38,648 18	38,648 18
86	Michigan East & West Ry		55 95			76,727 77	892 34		77,620 11	77,620 11
87	Port Huron Southern R. R					31,912 50	953 00		32,865 50	32,865 50
89	Traverse City, Leel. & Manis. Ry.	65 00				38,142 34	267 51		38,409 85	38,409 85
90	Wyandotte Southern R. R					19,254 00	456 25		19,710 25	19,710 25
91	Wyandotte Terminal R. R					79,295 60			79,295 60	79,295 60
	Total, Class III	$90 00	$2,208 96			$590,940 93	$3,871 92		$594,812 85	$594,812 85

a. Includes $1,745.44 water transfers—other.
b. Includes $559.98 water transfers—item 116.

TABLE NO. 8.—RAILWAY OPERATING EXPENSES.—MICHIGAN.

Number.	Operating Railroads.	Maintenance of way and structures. (I)	Maintenance of equipment (II)	Traffic. (III)	Transportation.—rail line. (IV)	Miscellaneous operations. (VI)	General. (VII)	Transportation for investment.—Cr. (VIII)	Grand total railway operating expenses. Michigan.	Grand total railway operating expenses. Entire line.
	Upper Peninsula.									
1	Chicago, Milwaukee & St. Paul Ry..	$234,684 15	$253,119 10	$27,459 60	$545,377 87	$5,501 20	$32,420 63	*$20,444 50*	$1,078,118 05	$73,765,051 05
2	Chicago & Northwestern Ry.....	396,871 16	571,727 57	44,450 25	1,280,898 52	17,944 73	69,525 63	*10,324 71*	2,371,093 15	65,120,827 01
4	Copper Range Railroad Co.....	177,828 74	137,775 87	23,254 11	289,973 13	.....	20,855 22	.....	649,687 07	649,687 07
5	The Dul., S. Shore & Atlantic Ry....	523,543 57	394,250 83	74,359 34	1,120,045 07	38,519 62	197,162 23	.....	2,247,880 66	2,670,051 57
6	Escanaba & Lake Superior Ry.....	72,091 57	39,775 28	.....	86,952 63	.....	8,800 32	.....	207,619 80	207,619 80
7	Lake Superior & Ishpeming Ry.....	210,658 32	150,737 34	1,987 34	194,398 77	.....	20,213 47	.....	577,995 24	577,995 24
8	Manistique & Lake Superior R. R...	23,506 44	20,730 89	989 69	50,912 40	.....	9,040 99	.....	105,180 41	105,180 41
9	Mineral Range R. R.....	192,133 40	202,697 08	4,710 83	483,957 37	.....	16,751 29	.....	900,249 97	900,249 95
11	Minn., St. Paul & S. Ste. Marie Ry..	187,548 69	259,326 92	29,819 65	564,571 10	14,338 77	45,665 05	*892 48*	1,100,377 70	19,241,591 67
13	Munising, Mar. & Southeastern Ry..	154,031 87	89,441 68	3,253 10	177,517 67	.....	13,969 97	.....	438,214 29	438,214 29
14	Wisconsin & Michigan Ry.....	9,312 43	10,533 15	924 12	20,455 35	220 26	5,450 34	.....	46,895 65	120,245 25
	Tot. Up. Pen., Classes I and II....	$2,182,210 34	$2,130,115 71	$211,208 03	$4,815,059 88	$76,524 58	$339,855 14	*$31,661 69*	$9,723,311 99	$163,796,713 31
	Lower Peninsula.									
16	Ann Arbor R. R.....	$268,619 76	$441,795 94	$60,404 62	$1,038,916 12	$5,694 49	$126,292 66	.....	$1,941,723 59	$1,979,936 34
17	Boyne City, Gaylord & Alpena R. R.	67,966 71	41,908 28	3,650 32	86,133 05	.....	10,945 48	.....	210,603 84	210,603 84
18	Chicago, Kalamazoo & Sag. R. R....	28,850 24	22,370 96	6,655 57	65,179 20	.....	8,740 96	.....	131,796 93	.....
19	Cincinnati Northern R. R.....	45,697 88	57,043 64	6,851 42	103,008 96	.....	6,065 65	.....	218,667 55	1,307,820 12
20	Cleve., Cin., Chi. & St. Louis Ry....	36,383 33	69,490 01	8,230 31	126,527 22	2,362 34	7,436 26	*$653,66*	249,775 81	31,221,976 50
21	Delray Connecting R. R.....	38,210 65	46,759 78	.....	149,001 51	.....	14,341 05	*308 00*	248,004 99	248,004 99
22	Detroit, Bay City & Western R. R...	13,553 60	29,707 09	3,490 48	61,703 78	.....	6,361 76	.....	114,816 71	114,816 71
23	Detroit & Mackinac Ry.....	144,240 53	227,884 31	26,219 65	418,529 00	1,243 15	36,931 51	.....	855,048 15	855,048 15
24	Detroit Terminal R. R.....	78,444 20	29,986 51	210 15	298,575 50	.....	5,572 53	.....	412,788 89	412,788 89
25	Detroit, Toledo & Ironton R. R.....	49,984 86	64,899 91	10,871 69	218,082 69	.....	16,051 18	.....	359,890 33	1,826,854 45
26	Detroit & Toledo Shore Line R. R...	81,406 87	73,303 21	13,883 04	338,731 23	.....	26,630 46	.....	533,954 81	739,242 41
27	Grand Rapids & Indiana Ry.....	463,934 97	760,214 03	97,610 32	1,691,198 32	17,953 33	145,543 40	.....	3,176,454 37	4,396,460 10
	Grand Trunk System:									
31	Ch., Det., & Can. Gd. Tr. Jct. R.R.	133,901 71	158,449 60	17,669 26	580,545 82	.....	17,608 26	.....	908,174 65	908,174 65
33	Cin., Saginaw & Mackinaw R. R..	96,324 55	51,631 74	8,497 27	188,673 62	.....	9,102 44	.....	354,229 62	354,229 62
34	Det., Gd. Haven & Milwaukee Ry.	464,147 05	473,362 68	64,505 96	1,629,190 10	8,532 97	58,919 20	.....	2,698,657 96	2,749,482 58
36	Grand Trunk Western Ry.....	503,951 80	1,033,991 80	130,250 04	1,813,258 24	52,974 78	106,535 17	.....	3,640,961 83	6,234,748 18
37	Michigan Air Line Ry.....	74,002 75	40,427 85	11,326 67	178,365 09	.....	20,202 10	.....	324,324 46	324,324 46
38	Pontiac, Oxford & Northern R. R.	64,903 67	32,896 08	10,578 09	46,748 54	.....	10,999 70	.....	266,126 08	266,126 08

39	St. Clair Tunnel Company	12,787 93	14,735 10	.....	38,215 55	3,390 78	27 00	.....	69,156 36	134,921 92
40	Toledo, Saginaw & Muskegon Ry	64,292 56	33,231 33	9,092 76	130,385 93	.....	10,690 12	.....	247,692 70	247,692 70
41	Kalamazoo, Lake Shore & Chi. Ry	10,389 54	6,462 89	2,570 33	36,430 16	.....	2,766 85	.....	58,619 77	58,619 77
42	Manistee & Northeastern R. R.	61,201 44	100,590 38	11,373 79	194,350 83	.....	20,888 22	.....	388,404 66	388,404 66
43	Michigan Central R. R.	3,358,524 26	4,338,591 84	531,865 94	10,665,206 92	456,169 67	569,714 08	.....	19,920,072 71	30,646,260 72
61	New York Central Ry	607,655 00	1,114,469 00	91,313 00	2,131,088 00	20,771 00	139,841 90	.....	4,105,137 00	143,363,853 26
67	Pere Marquette R. R.	1,680,287 27	3,651,057 03	329,983 40	6,373,461 54	42,438 28	411,151 36	*5,277 88*	12,483,101 00	15,631,230 91
69	Wabash Railway	165,243 20	491,828 80	68,420 71	1,370,057 74	16,193 43	51,716 76	*1,700 86*	2,161,759 78	24,874,417 07
	Tot. Lower Pen., Classes I & II.	$8,614,906 33	$13,407,089 79	$1,525,524 79	$30,071,564 66	$627,724 22	$1,841,075 16	*$7,940 40*	$56,079,944 55	$269,496,038 08
	Class III.									
71	Blaney & Southern Ry	$2,456 87	$4,577 48	.....	$5,023 83	.....	$476 91	.....	$12,535 09	$12,535 09
72	Garden Bay Ry	.....	.....	.....	.....	.....	.....	.....	.....	.....
73	Houghton, Chass. & Southwes. R. R.	1,124 63	4,455 59	.....	6,256 33	.....	.....	.....	11,836 55	11,836 55
74	Keweenaw Central R. R.	5,491 30	9,252 73	$921 25	10,674 84	.....	1,764 74	.....	28,104 86	28,104 86
75	Ontonagon R. R.	42 14	2,812 04	.....	4,466 17	.....	1,278 63	.....	8,598 98	8,598 98
76	Quincy & Torch Lake R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
77	Sault Ste. Marie Bridge Co.	.....	.....	.....	.....	.....	.....	.....	.....	.....
78	Arcadia & Betsey River Ry	3,769 50	4,504 34	25 44	6,255 98	.....	1,412 89	.....	15,968 15	15,968 15
79	Delray Terminal R. R.	10,377 31	4,532 05	.....	21,730 66	.....	1,015 76	.....	37,655 78	37,655 78
80	Detroit & Charlevoix R. R.	22,703 21	10,831 44	171 08	37,749 98	.....	4,077 00	.....	75,532 71	75,532 71
81	Detroit & Huron R. R. (Gd. Trunk)	5,357 68	2,088 81	2,172 86	17,031 79	.....	1,387 93	.....	28,039 07	28,039 07
82	East Jordan & Southern R. R.	27,120 25	10,425 84	1,696 57	18,450 69	.....	4,833 91	.....	62,527 26	62,527 26
83	Empire & Southeastern R. R.	2,854 99	547 19	.....	6,067 14	.....	337 66	.....	9,806 98	9,806 98
84	Erie & Michigan Ry. & Nav. Co.	561 17	14,027 38	2,031 58	15,612 62	.....	5,839 89	.....	38,072 64	38,072 64
85	Ludington & Northern Ry	10,228 62	6,565 12	1,000 00	19,081 43	.....	1,800 38	.....	38,675 55	38,675 55
86	Michigan East & West Ry	24,900 99	13,679 81	4,774 96	44,010 60	.....	4,230 26	.....	91,596 62	91,596 62
87	Port Huron Southern R. R.	4,799 16	2,739 02	18 50	10,187 28	.....	2,353 62	.....	20,097 58	20,097 58
89	Traverse City, Leela. & Manis. Ry.	5,016 85	3,835 42	651 42	16,407 57	.....	4,881 42	.....	30,792 68	30,792 68
90	Wyandotte Southern R. R.	5,813 60	3,141 89	1,028 95	8,521 91	.....	1,500 00	.....	20,006 35	20,006 35
91	Wyandotte Terminal R. R.	18,227 53	10,289 43	.....	51,165 12	.....	1,502 04	.....	81,184 12	81,184 12
	Total, Class III	$150,845 80	$108,305 58	$14,492 61	$298,693 94	.....	$38,693 04	.....	$611,030 97	$611,030 97

Credit items appear in italic.

TABLE NO. 9.—SUMMARY OF TRACK MILEAGE OPERATED WITHIN THE STATE.

Number.	Railroad Company.	Class 1. Line owned and operated.			Class 2. Line of proprietary companies operated.		Class 3. Line operated under lease.			Class 4. Line operated under contract.		Class 5. Line operated under trackage rights.		Number.
		Total miles of road at end of year.	Total miles of second track at end of year.	Total miles of other main tracks, yards and sidings at end of year.	Total miles of road (first main track) at end of year.	Total miles of other main tracks, yards and sidings at end of year.	Total miles of road at end of year.	Total miles of second track at end of year.	Total miles of other main track, yards and sidings at end of year.	Total miles of road (first main track) at end of year.	Total miles of other main tracks, yards and sidings at end of year.	Total miles of road (first main track) at end of year.	Total miles of other main tracks, yards and sidings at end of year.	
	Upper Peninsula.													
1	Chicago, Milwaukee & St. Paul Ry	194.27	.....	144.84	.....	.....	.....	.....	.....	.....	.....	68.55	26.75	1
2	Chicago & Northwestern Ry	519.88	21.32	412.96	.....	.....	.....	.....	.....	.....	a57.14	.....	11.72	2
4	Copper Range R. R.	121.70	.....	18.80	.....	.....	.....	.....	.....	.....	.....	19.60	39	4
5	Duluth, South Shore & Atlantic Ry	467.40	6.55	155.11	.....	.....	.....	.....	.....	.....	.....	14.70	1.97	5
6	Escanaba & Lake Superior R. R.	142.56	.....	22.89	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
7	Lake Superior & Ishpeming Ry	33.12	.....	47.24	.....	.....	.....	.....	.....	.....	.....	92	17.66	7
8	Manistique & Lake Superior R. R.	65.67	.....	17.24	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
9	Mineral Range R. R.	69.16	.....	24.60	30.84	30.57	17.50	.....	6.06	.....	.....	2.64	.....	9
11	Minneapolis, St. Paul & S. Ste. Marie Ry. Co.	239.16	1.48	92.16	.....	.....	.....	.....	.....	6.86	23.17	53	1.97	11
13	Munising, Marquette & Southeastern Ry Co.	132.78	.....	58.99	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
14	Wisconsin & Michigan Ry	43.13	.....	19.74	.....	.....	.....	.....	.....	.....	.....	2.62	.....	14
15	Sault Ste. Marie Bridge Company	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
	Total, Upper Peninsula, Classes I and II.	2,029.19	29.35	1,014.57	30.84	30.57	17.50	.....	6.06	6.86	80.31	109.56	60.46	
	Lower Peninsula.													
16	Ann Arbor R. R.	286.06	.....	102.17	.....	1.49	.....	.....	.....	.....	.....	.....	.....	16
17	Boyne City, Gaylord & Alpena R. R.	73.15	.....	15.67	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
18	Chicago, Kalamazoo & Saginaw Ry	46.56	.....	14.88	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
19	Cincinnati Northern R. R.	39.85	.....	8.05	.....	.....	.....	.....	.....	.....	.....	1.22	.....	19
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	34.97	.....	7.07	.....	.....	.....	.....	.....	.....	.....	.....	.....	20

21	Delray Connecting R. R.	2.95		10.58					52			9.73		21
22	Detroit, Bay City & Western R. R.	99.00		13.68						5.50				22
23	Detroit & Mackinac Ry.	382.90		117.16								1.92		23
24	Detroit Terminal R. R.	18.27	1.98	47.35										24
25	Detroit, Toledo & Ironton R. R.	65.30		11.23								21.70		25
26	Detroit & Toledo Shore Line R. R.	44.06	20.90	22.57								14.30		26
27	Grand Rapids & Indiana Ry.	365.95	12.36	203.22						62.71	20.86			27
	Grand Trunk Railway System:													
31	Chicago, Detroit & Can. Gd. Tr. Jct. R.R						60.00	10.65	53.44				3.56	31
33	Cincinnati, Saginaw & Mackinaw R. R.	52 97		32.90	1.19	2.16								33
34	Detroit, Grand Haven & Milwaukee Ry.	189.00	15.59	133.61			1.52		2.48					34
36	Grand Trunk Western Ry.	224.41	222.87	101.06	1.73	3.81	9.41		43			16		36
37	Michigan Air Line Ry.	105.60		15.34										37
38	Pontiac, Oxford & Northern R. R.	100.59		11.85										38
39	St. Clair Tunnel Company	1.01												39
40	Toledo, Saginaw & Muskegon Ry.	95.91		14.29								20.33		40
41	Kalamazoo, Lake Shore & Chicago Ry.	16.69		42			33.82		3.97					41
42	Manistee & Northeastern R. R.	182.56		53.18			1.26					6.00		42
43	Michigan Central R. R.	1,114.99	242.24	b1,108 19			136.74	1.12	46.39			3.35	c 46.26	43
61	New York Central R. R.	347.00	16	129.76			235.80	.02	39.63			3.44	d 60.22	61
67	Pere Marquette R. R.	1,736.11	59.73	738.64	29.92	5.95						29.60	c 24.73	67
69	Wabash Railway	75.82	42.32	58.18								29.78	e 22.49	69
	Total Lower Peninsula, Classes I and II.	5,701.68	618.15	2,971.05	32.84	13.41	478.55	11.79	146.86	68.21	20.86	141.53	157.26	
	Class III.													
71	Blaney & Southern Ry.	8.00		2.00										71
72	Garden Bay Ry.	14.00		2.00										72
73	Houghton, Chassell, & Southwestern R. R.	11.00		1.00										73
74	Keweenaw Central R. R.	36.09		2.64								3.30	3.60	74
75	Ontonagon R. R.	6.63										7.33	1.04	75
78	Arcadia & Betsey River Ry.	22.00		1.00										78
79	Delray Terminal R. R.	.80												79
80	Detroit & Charlevoix R. R.													80
81	Detroit & Huron R. R. (Gd. Trunk)	18.59		5.69										81
82	East Jordan & Southern R. R.	18.60		30.95										82

a. 49.73 of this item is second main track.
b. 4.27 miles of this item is third track and 4.38 miles is other main track.
c. This item is second main track.
d. 57.00 miles of this item is second main track.
e. 4.58 miles of this is second main track.

TABLE NO. 9.—SUMMARY OF TRACK MILEAGE OPERATED WITHIN THE STATE.

Number.	Railroad Company.	Class 1. Line owned and operated.			Class 2. Line of proprietary companies operated.		Class 3. Line operated under lease.			Class 4. Line operated under contract.		Class 5. Line operated under trackage rights.		Number.
		Total miles of road at end of year.	Total miles of second track at end of year.	Total miles of other main tracks, yards, and sidings at end of year.	Total miles of road (first main track) at end of year.	Total miles of other main tracks, yards and sidings at end of year.	Total miles of road at end of year.	Total miles of second track at end of year.	Total miles of other main track, yards and sidings at end of year.	Total miles of road (first main track) at end of year.	Total miles of other main tracks, yards and sidings at end of year.	Total miles of road (first main track) at end of year.	Total miles of other main tracks, yards and sidings at end of year.	
83	Empire & Southeastern R. R.	11.35	.....	2.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	83
84	Erie & Michigan Ry. & Nav. Co.	2.70	.....	.....	.....	.....	4.36	.....	.....	.....	.....	3.94	.....	84
85	Ludington & Northern Ry.	11.25	.....	5.12	.....	.....	.....	.....	.....	.....	.....	.....	.....	85
86	Michigan East & West Ry.	72.00	.....	25.19	.....	.....	.....	.....	.....	.....	.....	.....	.....	86
87	Port Huron Southern R. R.	3.38	.....	1.58	.....	.....	.....	.....	.....	1.01	1.76	.....	.....	87
89	Traverse City, Leelanau & Manis. Ry.	24.04	.....	3.11	.....	.....	.....	.....	.....	.....	.....	5.77	.....	89
90	Wyandotte Southern R. R.	1.00	.....	3.25	.....	.....	.....	.....	1.25	.....	.....	.....	.....	90
91	Wyandotte Terminal R. R.	1.52	.....	.....	.....	.....	16.71	.....	.....	.....	.....	.....	.....	91
	Total, Class III	262.95	.....	85.53	.....	.....	21.07	.....	1.25	1.01	1.76	20.34	4.64	...
	Total, State of Michigan	7,993.82	647.50	4,071.15	63.68	43.98	517.12	11.79	154.17	76.08	102.93	271.43	222.36	...

TABLE NO. 9.—SUMMARY OF TRACK MILEAGE OPERATED WITHIN THE STATE.

Number.	Railroad Company.	Total line operated.							Line owned but not operated by company at end of year.	New line constructed during year.				Number.
		Miles of road (first main track.)		Miles of second track.		Miles of all other main tracks, yards and sidings		Total (all tracks) at end of year. Miles.		Main track.	Second track.	Yards, sidings, etc.	Total miles of track.	
		At beginning of year.	At end of year.	At beginning of year.	At end of year.	At beginning of year.	At end of year.							
	Upper Peninsula.													
1	Chicago, Milwaukee & St. Paul Ry	245.41	262.82	.....	.....	180.78	171.59	434.41	.....	3.13	.....	2.93	6.06	1
2	Chicago & Northwestern Ry	519.88	519.88	71.05	71.05	423.93	432.09	1,023.02	None	.....	.....	.....	None	2
4	Copper Range R. R	139.83	141.30	.....	.....	19.41	19.19	160.49	.....	.....	.....	.....	.....	4
5	Duluth, South Shore & Atlantic Ry	489.24	482.10	6.55	6.55	166.20	157.08	645.73	24.85	.....	.....	11.32	11.32	5
6	Escanaba & Lake Superior R. R	141.39	142.56	.....	.....	23.00	22.89	165.45	None	.....	.....	2.94	2.94	6
7	Lake Superior & Ishpeming Ry	31.64	34.04	.....	.....	64.90	64.90	98.94	.....	.....	.....	.....	None	7
8	Manistique & Lake Superior R. R	60.67	65.67	.....	.....	15.30	17.24	82.91	.....	5.00	.....	1.94	6.94	8
9	Mineral Range R. R	119.90	120.14	.....	.....	60.08	61.23	181.37	None	.....	.....	1.58	1.58	9
11	Minneapolis, St. Paul & S. Ste. Marie Ry. Co.	246.55	246.55	1.48	1.48	117.30	117.30	365.33	.....	.....	.....	.....	None	11
13	Munising, Marquette & Southeastern Ry. Co.	137.84	132.78	.....	.....	60.95	58.99	191.77	None	.....	.....	.....	None	13
14	Wisconsin & Michigan Ry	45.35	45.75	.....	.....	19.74	19.74	65.49	.....	.....	.....	.....	.....	14
15	Sault Ste. Marie Bridge Company	.36	.36	.....	.....	.....	.....	.36	.....	.....	.....	.....	.....	15
	Total, Up. Pen., Classes I and II	2,178.06	2,193.95	79.08	79.08	1,151.59	1,142.24	3,415.27	24.85	8.13	.....	20.71	28.84	
	Lower Peninsula.													
16	Ann Arbor R. R	286.06	286.06	.....	.....	102.10	103.66	389.72	1.26	.....	.....	1.42	1.42	16
17	Boyne City, Gaylord & Alpena R. R	73.15	73.15	.....	.....	15.67	15.67	88.82	.....	.....	.....	6.94	6.94	17
18	Chicago, Kalamazoo & Saginaw Ry	46.56	46.56	.....	.....	14.85	14.88	61.44	9.11	.....	.....	.....	.....	18
19	Cincinnati Northern R. R	41.07	41.07	.....	.....	7.44	8.05	49.12	None	.....	.....	.61	.61	19
20	Cleveland, Cincinnati, Chi. & St. Louis Ry	34.97	34.97	.....	.....	7.18	7.07	42.04	None	.....	.....	.11	.11	20
21	Delray Connecting R. R	17.09	12.68	.....	.....	15.14	11.10	23.78	.....	.87	.....	10.33	11.20	21
22	Detroit, Bay City & Western R. R	76.50	104.50	.....	.....	13.68	13.68	118.18	.....	28.00	.....	.....	28.00	22
23	Detroit & Mackinac Ry	384.82	384.82	.....	.....	117.16	117.16	501.98	4.35	.....	.....	.23	.23	23
24	Detroit Terminal R. R	18.27	18.27	1.31	1.98	39.74	47.35	67.60	None	.....	.67	11.32	11.99	24
25	Detroit, Toledo & Ironton R. R	87.00	87.00	.....	.....	10.80	11.23	98.23	.....	.....	.....	.43	.43	25

TABLE NO. 9.—SUMMARY OF TRACK MILEAGE OPERATED WITHIN THE STATE.—Continued.

Number.	Railroad Company.	Total line operated. Miles of road (first main track.) At beginning of year.	Miles of road (first main track.) At end of year.	Miles of second track. At beginning of year.	Miles of second track. At end of year.	Miles of all other main tracks, yards and sidings. At beginning of year.	Miles of all other main tracks, yards and sidings. At end of year.	Total (all tracks) at end of year. Miles.	Line owned but not operated by company at end of year.	New line constructed during year. Main track.	Second track.	Yards, sidings, etc.	Total miles of track.	Number.
26	Detroit & Toledo Shore Line R. R.	58.36	58.36	20.90	20.90	22.57	22.57	101.83	None	.....	.....	.....	None	26
27	Grand Rapids & Indiana Ry	428.66	428.66	12.36	12.36	223.00	224.08	665.10	.....	.....	.....	.....	.....	27
	Grand Trunk Railway System:													
31	Chicago, Detroit & Can. Gd. Tr. Jct. R. R.	60.00	60.00	7.00	10.65	47.96	57.00	127.65	.....	.....	3.65	9.28	12.93	31
33	Cincinnati, Saginaw & Mackinaw R. R.	54.16	54.16	.....	.....	37.97	35.06	89.22	.....	.....	.....	.....	None	33
34	Detroit, Grand Haven & Milwaukee Ry	190.52	190.52	10.15	15.59	132.10	136.09	342.20	.....	.....	5.44	4.01	9.45	34
36	Grand Trunk Western Ry	235.71	235.71	222.87	222.87	102.02	105.30	563.88	.....	.....	.....	3.28	3.28	36
37	Michigan Air Line Ry	105.60	105.60	.....	.....	14.80	15.34	120.94	.....	.....	.....	.23	.23	37
38	Pontiac, Oxford & Northern R. R.	100.59	100.59	.....	.....	11.85	11.85	112.44	.....	.....	.....	.....	None	38
39	St. Clair Tunnel Company	1.01	1.01	.....	.....	.....	.....	1.01	.....	.....	.....	.....	None	39
40	Toledo, Saginaw & Muskegon Ry	116.24	116.24	.....	.....	14.20	14.29	130.53	.....	.....	.....	.....	None	40
41	Kalamazoo, Lake Shore & Chicago Ry	50.51	50.51	.....	.....	4.39	4.39	54.90	4.40	.....	.....	.....	.....	41
42	Manistee & Northeastern R. R.	189.82	189.82	.....	.....	53.18	53.18	243.00	None	.....	.....	.....	None	42
43	Michigan Central R. R.	1,202.21	1,255.08	243.20	289.62	1,100.25	1,154.58	2,699.28	None	1.96	.10	.....	2.06	43
61	New York Central R. R.	586.73	586.24	56.38	57.18	166.65	172.61	816.03	1.61	.....	.....	5.06	5.06	61
67	Pere Marquette R. R.	1,796.00	1,795.63	84.46	84.46	.....	744.59	2,624.68	36.54	.....	.....	.....	29.28	67
69	Wabash Railway	105.60	105.60	46.90	46.90	76.09	76.09	228.59	.....	.....	.....	.....	None	69
	Total Lower Peninsula, Classes I and II.	6,347.21	6,422.81	705.53	762.51	2,350.79	3,176.87	10,362.19	57.27	30.83	9.86	81.81	122.50	
	Class III.													
71	Blaney & Southern Ry	8.00	8.00	.....	.....	2.00	2.00	10.00	.....	.....	.....	.....	.....	71
72	Garden Bay Ry	13.70	14.00	.....	.....	2.00	2.00	16.00	.....	.....	.....	.....	.....	72
73	Houghton, Chassell & Southwestern R. R.	11.00	11.00	.....	.....	1.00	1.00	12.00	.....	.....	.....	.....	.....	73
74	Keweenaw Central R. R.	39.39	39.39	.....	.....	6.24	6.24	45.63	.....	.....	.....	.....	.....	74
75	Ontonagon R. R.	13.96	13.96	.....	.....	1.04	1.04	15.00	None	.....	.....	.....	.....	75

78	Arcadia & Betsey River Ry	22.00	22.00	.....	.....	1.00	1.00	23.00	None	.....	.....	.....	.....	78
79	Delray Terminal R. R.	.80	.80	.....	.....	.....	.....	.80	.....	.....	.....	.....	.....	79
80	Detroit & Charlevoix R. R.	42.66	.....	.....	.....	36.64	.....	.....	None	.....	.....	.....	.....	80
81	Detroit & Huron R. R. (Gd. Trunk)	18.59	18.59	.....	.....	5.69	5.69	24.28	.....	.....	.....	.....	.....	81
82	East Jordan & Southern R. R.	18.60	18.60	.....	.....	23.00	30.95	49.55	.....	.....	.....	.....	.....	82
83	Empire & Southeastern R. R.	11.35	11.35	.....	.....	2.00	2.00	13.35	.....	.....	.....	.....	.....	83
84	Erie & Michigan Ry. & Nav. Co.	11.00	11.00	.....	.....	.....	.....	11.00	11.00	.....	.....	.....	.....	84
85	Ludington & Northern Ry.	10.63	11.25	.....	.....	4.50	5.12	16.37	.....	.....	.....	.....	.....	85
86	Michigan East & West Ry.	72.00	72.00	.....	.....	25.19	25.19	97.19	.....	.....	.....	.....	.....	86
87	Port Huron Southern R. R.	4.39	4.39	.....	.....	3.34	3.34	7.73	None	.....	.....	.....	.....	87
89	Traverse City, Leelanau & Manis. Ry.	29.81	29.81	.....	.....	3.11	3.11	32.92	None	.....	.....	.....	.....	89
90	Wyandotte Southern R. R.	1.00	1.00	.....	.....	4.50	4.50	5.50	None	.....	.....	.....	.....	90
91	Wyandotte Terminal R. R.	17.76	18.23	.....	.....	.....	.....	18.23	None	.....	.....	.....	.....	91
	Total, Class III	346.64	305.37	.....	.....	121.25	93.18	398.55	11.00	.....	.....	.....	.....	
	Total, State of Michigan	8,871.59	8,922.13	784.61	841.59	3,623.63	4,412.20	14,176.01	93.12	38.96	- 9.86	102.52	151.34	

TABLE NO. 10A.—STEAM LOCOMOTIVE EQUIPMENT AT CLOSE OF YEAR.—ENTIRE LINE.

Number.	Railroads.	Locomotives having drivers 69 inches or less in diameter.			Locomotives having drivers more than 69 inches in diameter.			Switching locomotives.		
		Total number available for service. (b)	Total weight on drivers. Tons. (c)	Total tractive capacity. 000 lbs. (d)	Total number available for service. (e)	Total weight on drivers. Tons. (f)	Total tractive capacity. 000 lbs. (g)	Total number available for service. (h)	Total weight on drivers. Tons. (i)	Total tractive capacity. 000 lbs. (j)
	Upper Peninsula.									
1	Chicago, Milwaukee & St. Paul Ry	1,513	101,961.	47,202.21	185.00	11,886.00	4,810.29	283	16,086.00	7,027.78
2	Chicago & Northwestern Ry	1,287	85,348.	39,023.8	248.	14,845.00	6,601.9	307	18,041.00	6,822.1
4	Copper Range Railroad Co	19	1,348.1	613.8				2	112.4	55.2
5	The Duluth, South Shore & Atlantic Ry	76	3,757.	1,771.7				5	233.00	100.5
6	Escanaba & Lake Superior Ry	9	441.	215.71						
7	Lake Superior & Ishpeming Ry	11	1,006.	4,668.				9	568.00	2,892.
8	Manistique & Lake Superior R. R	7	226.	108.4						
9	Mineral Range R. R	22	1,447.	723.4				5	285.	128.2
11	Minneapolis, St. Paul & S. Ste. Marie Ry	418	26,951.	11,798.3	46.	2,919.	1,080.5	50	2,978.	1,289.1
13	Munising, Marquette & Southeastern Ry	14	913.	4,183.						
14	Wisconsin & Michigan Ry	6	242.	132.2						
	Total Upper Peninsula, Classes I and II	3,382	223,640.1	110,440.52	479	29,650.	12,492.69	661	38,303.4	18,314.88
	Lower Peninsula.									
16	Ann Arbor R. R	32	2,560.	1,165.4				11	589.	2,679.
17	Boyne City, Gaylord & Alpena R. R									
18	Chicago, Kalamazoo & Saginaw R. R	6	224.	102.538				1	46.5	20.09
19	Cincinnati, Northern R. R	41	2,805.	1,368.7						
20	Cleve., Cincinnati, Chicago & St. Louis Ry	524	45,180.9	20,121.0	123	7,422.6	3,150.8	173	12,384.8	5,190.0
21	Delray Connecting R. R	1	104.0	45.2						
22	Detroit, Bay City & Western R. R	8	128.3	128.3						
23	Detroit & Mackinac Ry	31	1,315.	593.4	2	128.	54.4	2	121.	55.5
24	Detroit Terminal R. R							14	1,231.5	4,928.00
25	Detroit, Toledo & Ironton R. R	65	4.518.	2,014.8				2	102.	41.2
26	Detroit & Toledo Shore Line R. R	17	1,297.	549.				5	365.	153.
27	Grand Rapids & Indiana Ry	94	5,921.	2,764.0				8	576.	239.2
	Grand Trunk System:									
31	Chicago, Detroit, & Can. Gd.Tr. Jct.R.R.									
33	Cincinnati, Saginaw & Mackinaw R. R	3	110.	50.6	None			None		

34	Detroit, Grand Haven & Milwaukee Ry.	5	159.	73.9				3	210.	90.
36	Grand Trunk Western Ry.	222	13,483.	6,191.6	42	2,471.	993.2	25	1,461.	619.1
37	Michigan Air Line Ry.									
38	Pontiac, Oxford & Northern R. R.									
39	St. Clair Tunnel Company									
40	Toledo, Saginaw & Muskegon Ry.									
41	Kalamazoo, Lake Shore & Chicago Ry.	4	143.	40.68				1	39.	15.7
42	Manistee & Northeastern R. R.	15	577.	283.1	None			None		
43	Michigan Central R. R.	411	34,148.3	14,410.8	120	8,518.0	3,275.2	206	15,251.0	6,075.0
61	New York Central Ry.	1,990	175,005.	776,366.	724	50,175.	190,395.	711	56,565.	234,397.
67	Pere Marquette Ry.	311	21,026.	9,206.1	40	2,217.	1,017.9	60	3,621.	1,555.4
69	Wabash Railway	327	27,706.	12,577.2	167	9,863.	4,497.4	95	6,064.	2,552.3
	Total Lower Peninsula, Classes I and II	4,107	316,410.50	848,052.31	1,218	80,794.60	203,383.90	1,317	98,626.80	254,175.29
	Class III.									
71	Blaney & Southern Ry.	2								
72	Garden Bay Ry.									
73	Houghton, Chassell & Southwestern R. R.	3								
74	Keweenaw Central R. R.	2								
75	Ontonagon R. R.	1								
78	Arcadia & Betsey River Ry.	2								
79	Detroit Terminal R. R.							8		
81	Detroit & Huron R. R. (Gd. Trunk)									
82	East Jordan & Southern R. R.	4								
83	Empire & Southeastern R. R.	2								
84	Erie & Michigan Ry. & Nav. Co.	1						1		
85	Ludington & Northern Ry.	5								
86	Michigan East & West Ry.	4								
87	Port Huron Southern Ry.							2		
89	Traverse City, Leelanau & Manis. Ry.	2								
90	Wyandotte Southern R. R.							2		
91	Wyandotte Terminal R. R.							6		
	Total Class III	28						19		

a. Locomotives of Class III companies are not classified as to diameter of drivers, weight or tractive capacity. The numbers are shown in columns b and h for convenience.

TABLE NO. 10B.—FREIGHT CAR EQUIPMENT.—ENTIRE LINE.—REVENUE SERVICE.

Number.	Railroads. (a)	Total box cars of all classes.		Total flat cars of all classes.		Total stock cars of all classes.		Total coal cars of all classes.		Total tank cars of all classes.	
		Number. (b)	Aggregate capacity. Tons. (c)	Number. (d)	Aggregate capacity. Tons. (e)	Number. (f)	Aggregate capacity. Tons. (g)	Number. (h)	Aggregate capacity. Tons. (i)	Number. (j)	Aggregate capacity. Tons. (k)
	Upper Peninsula.										
1	Chicago, Milwaukee & St. Paul Ry	42,660	1,471,093	4,883	157,722	5,617	165,966	4,902	220,745		
2	Chicago & Northwestern Ry	35,620	1,322,721	4,640	190 025	4,106	117,432	12,456	552 450		
4	Copper Range Railroad Co	57	1,960	145	4,550			25	1,000		
5	The Duluth, South Shore & Atlantic Ry	887	25,035	575	14,920			207	7,310		
6	Escanaba & Lake Superior	2	40	404	15,625						
7	Lake Superior & Ishpeming Ry			20	600						
8	Manistique & Lake Superior R. R	7	180	196	6,305						
9	Mineral Range R. R	49	1,470	68	2,190			33	1,073		
11	Minneapolis, St. Paul & S. Ste. Marie Ry	18,390	572,870	2,182	68,195	801	23,700	255	5,705	2	50
13	Munising, Marquette & Southeastern Ry	25	855	377	13,850						
14	Wisconsin and Michigan Ry	26	780	275	8,250			4	120		
	Total Upper Peninsula, Classes I and II	97,723	3,397,004	13,765	482,232	10,524	307,098	17,882	788,403	2	50
	Lower Peninsula.										
16	Ann Arbor R. R	1,241	45,820	48	1,380	75	2,055	674	31,960		
17	Boyne City, Gaylord & Alpena R. R	1	30	176	5,320					1	30
18	Chicago, Kalamazoo & Saginaw R. R	40	1,100	10	200			5	200		
19	Cincinnati Northern R. R	1,467	49,055	14	560			78	2,855		
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	16,057	576,380	1,010	39,930	617	19,535	10,996	504,050		
21	Delray Connecting R. R							239	13,305		
22	Detroit, Bay City & Western R. R	5	110	2	60			51	1,980		
23	Detroit & Mackinac Ry	669	21,715	385	9,750	84	2,520	392	15,420		
24	Detroit Terminal R. R										
25	Detroit, Toledo & Ironton R. R	1,303	41,080	88	2,540	42	1,260	1,511	50,815		
26	Detroit & Toledo Shore Line R. R							199	7,960		
27	Grand Rapids & Indiana Ry	1,654	72,970	500	25,000	84	3,750	732	34,280		
	Grand Trunk System:										
31	Chicago, Detroit & Canada Gd. Tr. Jct. R. R										
33	Cincinnati, Saginaw & Mackinaw R. R	5	150	6	120						

34	Detroit, Grand Haven & Milwaukee Ry	36	990	19	400						
36	Grand Trunk Western Ry	3,678	110,220	57	1,490	1	20	2,019	100,730		
37	Michigan Air Line Ry										
38	Pontiac, Oxford & Northern R. R.	10	200								
39	St. Clair Tunnel Company										
40	Toledo, Saginaw & Muskegon Ry	2	40	1	30						
41	Kalamazoo, Lake Shore & Chicago Ry	13	265	1	25						
42	Manistee & Northeastern R. R.	272	9,365	369	9,630			10	300		
43	Michigan Central Ry	20,580	811,490	2,135	67,730	698	20,830	4,625	218,290	16	330
61	New York Central Ry	63,307	2,449,177	5,012	194,260	1,318	36,238	58,200	2,703,960		
67	Pere Marquette R. R.	10,644	356,345	563	16,650	302	9,010	3,338	129,000		
69	Wabash Railway	10,100	352,160	721	26,670	1,090	42,095	5,465	261,330		
	Total Lower Peninsula, Classes I and II	131,084	4,898,662	11,117	400,745	4,311	137,313	88,534	4,076,435	17	360
	Class III.										
71	Blaney & Southern Ry			6	120						
72	Garden Bay R. R.										
73	Houghton, Chassell & Southwestern R. R.										
74	Keweenaw Central R. R.	5	125	6	180			10	300		
75	Ontonagon R. R.	1	20	88	1,760						
78	Arcadia & Betsey River Ry	3	75	40	1,000						
79	Detroit Terminal R. R.			3	112			18	940		
81	Detroit & Huron R. R. (Gd. Trunk)										
82	East Jordan & Southern R. R.			70	2,040						
83	Empire & Southeastern R. R.	1	30	4	40						
84	Erie & Michigan Ry. & Nav. Co.	131	2,620								
85	Ludington & Northern Ry			10	200						
86	Michigan East & West Ry			22	660						
87	Port Huron Southern Ry										
89	Traverse City, Leelanau & Manis. Ry			2	40						
90	Wyandotte Southern R. R.	6	120	2	50						
91	Wyandotte Terminal R. R.										
	Total, Class III	147	2,990	253	6,202			28	1,240		

TABLE NO. 10B.—FREIGHT CAR EQUIPMENT—ENTIRE LINE—REVENUE SERVICE.—Concluded.

Number.	Railroads.	Total refrigerator cars, all classes.		Other freight-carrying cars, all classes.		Total freight-carrying cars.		Steel cars included in columns b to q.		Steel underframe cars included in columns b to q.	
		Number. (l)	Aggregate capacity. Tons. (m)	Number. (n)	Aggregate capacity. Tons. (o)	Number. (p)	Aggregate capacity. Tons. (q)	Number. (r)	Aggregate capacity. Tons. (s)	Number. (t)	Aggregate capacity. Tons. (u)
	Upper Peninsula.										
1	Chicago, Milwaukee & St. Paul Ry	2,276	74,090	1,886	98,980	62,224	2,188,596	44	2,200	25,745	1,041,150
2	Chicago & Northwestern Ry	2,302	68,895	5,998	276,891	65,122	2,528,414	3,979	198,950	21,834	951,190
4	Copper Range Railroad Co	11	330	315	13,370	553	21,210	72	3,600	25	1,000
5	The Duluth, South Shore & Atlantic Ry	24	695	1,113	44,170	2,806	92,130	500	24,000	300	12,000
6	Escanaba & Lake Superior Ry			20	510	426	161,175				
7	Lake Superior & Ishpeming Ry			1,200	52,720	1,220	53,320	836	41,800		
8	Manistique & Lake Superior R. R			150	3,000	353	9,485				
9	Mineral Range R. R			882	36,280	1,032	41,013	200	10,000		
11	Minneapolis, St. Paul & S. Ste. Marie Ry	418	11,705	2,652	111,940	24,700	794,165	1,494	74,700	3,486	139,440
13	Munising, Marquette & Southeastern Ry			200	9,970	602	24,675	199	9,950	263	10,400
14	Wisconsin & Michigan Ry	9	270			314	9,420				
	Total, Upper Peninsula Classes I and II	5,040	155,985	14,416	647,831	159,352	5,778,603	7,324	365,200	51,653	2,155,180
	Lower Peninsula.										
16	Ann Arbor R. R	105	3,640			2,143	84,855	500	25,000	958	37,480
17	Boyne City, Gaylord & Alpena R. R			80	1,600	258	6,980				
18	Chicago, Kalamazoo & Saginaw R. R					55	1,500				
19	Cincinnati Northern R. R					1,559	52,470			563	22,120
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	400	12,000	430	17,180	29,510	1,168,075	6,463	323,150	8,362	321,400
21	Delray Connecting R. R					239	13,305	132	9,025		
22	Detroit, Bay City & Western R. R					58	2,150	27	1,260		
23	Detroit & Mackinac Ry	12	360			1,542	49,765			234	9,200
24	Detroit Terminal R. R										
25	Detroit, Toledo & Ironton R. R	16	480	30	915	2,990	97,090	40	1,600	198	7,920
26	Detroit & Toledo Shore Line R. R					199	7,960				
27	Grand Rapids & Indiana Ry	99	3,465	47	1,840	3,116	141,305	1,414	70,700	809	40,450
	Grand Trunk System:										
31	Chicago, Detroit & Canada Gd. Tr. Jct. R. R										
33	Cincinnati, Saginaw & Mackinaw R. R					11	270	None		None	

34	Detroit, Grand Haven & Milwuakee Ry					55	1,390	None		None	
36	Grand Trunk Western Ry	248	7,440			6,003	219,900	1,997	99,850	2,970	89,110
37	Michigan Air Line Ry										
38	Pontiac, Oxford & Northern R. R.					10	200	None			
39	St. Clair Tunnel Company										
40	Toledo, Saginaw & Muskegon Ry					3	70				
41	Kalamazoo, Lake Shore & Chicago Ry					14	290				
42	Manistee & Northeastern R. R.	40	1,000			691	20,295				
43	Michigan Air Line	290	7,245			28,344	1,125,915	7,145	357,250	8,103	321,000
61	New York Central Ry	9,109	299,875			136,946	5,683,510	34,286	1,964,460	73,217	2,905,625
67	Pere Marquette R. R.	46	1,375			14,893	512,380	None		None	
69	Wabash Railway					17,376	682,255	1,028	44,060	7,557	342,070
	Total, Lower Peninsula, Classes I and II	10,365	336,880	587	21,535	246,015	9,871,930	53,032	2,896,355	102,971	4,096,375
	Class III.										
71	Blaney & Southern Ry					6	120				
72	Garden Bay Ry										
73	Houghton, Chassell & Southwestern Ry			30	800	30	800				
74	Keweenaw Central R. R.			20	500	41	1,105				
75	Ontonagon R. R.					89	1,780				
78	Arcadia & Betsey River Ry					43	1,075				
79	Detroit Terminal R. R.					21	1,052				
81	Detroit & Huron R. R. (Gd. Trunk)										
82	East Jordan & Southern R. R.			139	1,042	209	3,082				
83	Empire & Southeastern R. R.			29	435	34	505				
84	Erie & Michigan Ry. & Nav. Co.			6	90	137	2,710				
85	Ludington & Northern Ry					10	200				
86	Michigan East & West Ry	1	30			23	690				
87	Port Huron Southern Ry										
89	Traverse City, Leelanau & Manis. Ry					2	40				
90	Wyandotte Southern R. R.					8	170				
91	Wyandotte Terminal R. R.										
	Total, Class III	1	30	224	2,867	653	13,329				

TABLE NO. 10C.—PASSENGER-TRAIN CAR EQUIPMENT—REVENUE SERVICE, ENTIRE LINE.

Number.	Railroads.	Total number of cars in service at close of year.								
		Coaches. (b)	Combination passenger cars. (c)	Other combination cars. (d)	Emigrant cars. (e)	Dining cars. (f)	Parlor cars. (g)	Sleeping cars. (h)	Baggage and express cars. (i)	Postal cars. (j)
	Upper Peninsula.									
1	Chicago, Milwaukee & St. Paul Ry	654	139	140		62	34	239	273	57
2	Chicago & Northwestern Ry	1,021	173	111		41	76		252	56
4	Copper Range Railroad Co	15	4			1			2	
5	The Duluth, South Shore & Atlantic Ry	31	5			6		7	18	
6	Escanaba & Lake Superior Ry	2	2							
7	Lake Superior & Ishpeming	3	1							
8	Manistique & Lake Superior R. R.	1	1							
9	Mineral Range R. R.		1							
11	Minneapolis, St. Paul & S. Ste. Marie Ry	184	34	54		15	12	57	34	21
13	Munising, Marquette & Southeastern Ry	5	9							
14	Wisconsin & Michigan Ry	1	2							
	Total, Upper Peninsula, Classes I & II	1,917	371	305		125	122	303	579	134
	Lower Peninsula.									
16	Ann Arbor R. R.	24	9						7	
17	Boyne City, Gaylord & Alpena R. R.	2	2							
18	Chicago, Kalamazoo & Saginaw R. R.	4	1	1						
19	Cincinnati Northern R. R.	13	1						2	5
20	Cleve., Cincinnati, Chicago & St. Louis Ry	275	68	31		26			74	37
21	Delray Connecting R. R.									
22	Detroit, Bay City & Western R. R.	5	3							
23	Detroit & Mackinac Ry	27	7	0	0	1	2		8	
24	Detroit Terminal R. R.									
25	Detroit, Toledo & Ironton R. R.	14	2						8	
26	Detroit & Toledo Shore Line Railroad									
27	Grand Rapids & Indiana Ry	69	16	14		3			16	2
	Grand Trunk System:									
31	Chicago, Detroit & Can. Gd. Tr. Jct. R. R.									
33	Cincinnati, Saginaw & Mackinac R. R.									

34	Detroit, Grand Haven & Milwaukee Ry.	9		3			2		8	
36	Grand Trunk Western Ry	45	4	5		1			11	4
37	Michigan Air Line Ry									
38	Pontiac, Oxford & Northern R. R.	5	2							
39	St. Clair Tunnel Company									
40	Toledo, Saginaw & Muskegon Ry	1	1	2						
41	Kalamazoo, Lake Shore & Chicago Ry	5	3							
42	Manistee & Northeastern R. R.	8	5						2	
43	Michigan Central R. R.	284	36	26		22			139	15
61	New York Central Ry	1,757	240	123		71			614	109
67	Pere Marquette R. R.	210	39			12	14		83	3
69	Wabash Railway	197	63	21		17	7		74	32
	Total, Lower Peninsular, Classes I and II.	2,954	502	226		153	25		1,046	207
	Class III.									
71	Blaney & Southern Ry		1							
72	Garden Bay Ry									
73	Houghton, Chassell & Southwestern Ry									
74	Keweenaw Central R. R.	5	2							
75	Ontonagon R. R.									
76	Quincy & Torch Lake R. R.									
77	Sault Ste. Marie Bridge Co.									
78	Arcadia & Betsey River Ry	1	1							
79	Delray Terminal R. R.									
81	Detroit & Huron R. R. (Gd. Trunk)									
82	East Jordan & Southern R. R.	1	2							
83	Empire & Southeastern R. R.		1							
84	Erie & Michigan Ry. & Nav. Co.		1							
85	Ludington & Northern Ry	8							1	
86	Michigan East & West Ry	1	3							
87	Port Huron Southern Ry									
89	Traverse City, Leelanau & Manis. Ry	1	1							
90	Wyandotte Southern R. R.									
91	Wyandotte Terminal R. R.									
91	Wyandotte Terminal R. R.									
	Total, Class III	17	12						1	

TABLE NO. 10C.—PASSENGER-TRAIN CAR EQUIPMENT—REVENUE SERVICE—ENTIRE LINE.—Concluded.

Number.	Railroad.	Cars in service at close of year.		Total seating capacity.						
		Other passenger-train cars. (k)	Total passenger-train cars. (l)	Coaches. (m)	Combination passenger cars. (n)	Emigrant cars. (o)	Dining cars. (p)	Parlor cars. (q)	Sleeping cars. (r)	Total seating capacity. (s)
	Upper Peninsula.									
1	Chicago, Milwaukee & St. Paul Ry	1	1,599	36,399	4,213	.....	2,882	1,773	12,911	58,178
2	Chicago & Northwestern Ry	238	1,968	65,350	7,209	.....	1,260	2,959	.....	76,778
4	Copper Range Railroad Co	.....	22	998	160	.....	40	.....	.....	1,198
5	The Duluth, South Shore & Atlantic Ry	.....	67	1,930	154	.....	160	.....	352	2,596
6	Escanaba & Lake Superior Ry	.....	4	78	58	.....	.....	.....	.....	136
7	Lake Superior & Ishpeming Ry	.....	4	180	28	.....	.....	.....	.....	208
8	Manistique & Lake Superior R. R.	.....	2	58	28	.....	.....	.....	.....	86
9	Mineral Range R. R.	.....	1	48	.....	.....	.....	.....	.....	48
11	Minneapolis, St. Paul and Sault Ste. Marie Ry	18	429	11,929	1,080	.....	428	447	3,560	17,444
13	Munising, Marquette & Southeastern Ry	.....	14	300	360	.....	.....	.....	.....	660
14	Wisconsin & Michigan Ry	.....	3	60	86	.....	.....	.....	.....	146
	Total Upper Peninsula, Class I and II	257	4,113	117,330	13,376	.....	4,770	5,179	16,823	157,478
	Lower Peninsula.									
16	Ann Arbor R. R.	.....	40	1,698	344	.....	.....	.....	.....	2,042
17	Boyne City, Gaylord & Alpena R. R.	.....	4	106	66	.....	.....	.....	.....	172
18	Chicago, Kalamazoo & Saginaw R. R.	.....	6	256	16	.....	.....	.....	.....	272
19	Cincinnati Northern R. R.	.....	21	806	44	.....	.....	.....	.....	850
20	Cleve., Cin., Chicago & St. Louis Ry	19	530	15,565	2,780	.....	1,075	.....	.....	19,420
21	Delray Connecting R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Detroit, Bay City & Western R. R.	.....	8	240	99	.....	.....	.....	.....	339
23	Detroit & Mackinac Ry	.....	45	2,015	266	.....	52	80	.....	2,413
24	Detroit Terminal R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R.	.....	24	894	72	.....	.....	.....	.....	966
26	Detroit & Toledo Shore Line R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	Grand Rapids & Indiana Ry	.....	120	4,460	452	.....	96	.....	.....	5,008
	Grand Trunk System:									
31	Chicago, Detroit & Can. Gd. Jct. R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
33	Cincinnati, Saginaw & Mackinaw R. R.	.....	None	.....	.....	.....	.....	.....	.....	.....

34	Detroit, Grand Haven & Milwaukee Ry		22	592				58		650
36	Grand Trunk Western Ry		70	2,895	162		30			3,087
37	Michigan Air Line Ry									
38	Pontiac, Oxford & Northern R. R.		7	288						288
39	St. Clair Tunnel Company									
40	Toledo, Saginaw & Muskegon Ry		4	58	58					116
41	Kalamazoo, Lake Shore & Chicago Ry		8	308	69					377
42	Manistee & Northeastern R. R.		15	450	246					696
43	Michigan Central Ry	10	532	20,717	1,324		684			a 22,967
61	New York Central Ry	478	3,392	130,157	10,016		2,318			142,491
67	Pere Marquette R. R.		361	14,200	1,568		468	520		16,756
69	Wabash Railway		411	13,141	1,952		550	237		15,880
	Total, Lower Peninsula, Classes I and II	507	5,620	208,846	19,534		5,273	895		234,790
	Class III.									
71	Blaney & Southern Ry		1							
72	Garden Bay Ry									
73	Houghton, Chassell & Southwestern R. R.									
74	Keweenaw Central R. R.	6	13							
75	Ontonagon R. R.									
78	Arcadia & Betsey River Ry		2							
79	Detroit Terminal R. R.									
81	Detroit & Huron R. R. (Gd. Trunk)									
82	East Jordan & Southern R. R.		3							
83	Empire & Southeastern R. R.		1							
84	Erie & Michigan Ry. & Nav. Co.		1							
85	Ludington & Northern Ry		9							
86	Michigan East & West Ry		4							
87	Port Huron Southern Ry									
89	Traverse City, Leelanau & Manis. Ry		2							
90	Wyandotte Southern R. R.									
91	Wyandotte Terminal R. R.									
	Total, Class III	6	36							

a. Includes 242, capacity of other passenger train cars.

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.

Number.	Operating railroad.	Average mileage of road operated.		Train miles.						
		Passenger service. Item 1. Mich.	All services, Item 1.	Freight.			Passenger. Item 14.	Mixed. Item 15.	Special. Item 16.	Total transportation service. Item 17.
				Ordinary. Item 11.	Light. Item 12.	Total. Item 13.				
	Upper Peninsula.									
1	Chicago, Milwaukee & St. Paul Ry	194.49	259.92	332,515	13,015	345,530	262,110	42,353	929	650,922
2	Chicago & Northwestern Ry	384.81	519 88	702 623	15,609	718,232	485,050	102,426	.....	1,305,708
4	Copper Range Railroad Co	99.89	140.83	145,458	.....	145,458	176,534	27,768	236	349,996
5	The Duluth, South Shore & Atlantic Ry	411.89	484.71	764,025	7,519	771,544	750,269	16,873	2,058	1,540,744
6	Escanaba & Lake Superior Ry	142.56	142.56	51,281	.....	51,281	.....	38,822	.....	90,103
7	Lake Superior & Ishpeming Ry	.....	34.04	59,264	.....	59,264	13,265	.....	.....	72,529
8	Manistique & Lake Superior R. R	35.00	65.67	50,072	498	50,570	.....	23,162	39	73,771
9	Mineral Range R. R	78.05	119.99	229,808	97	229,905	83,039	27,645	219	340,808
11	Minneapolis, St. Paul & S. Ste. Marie Ry	230.39	246.54	385,809	784	386,593	252,550	23,014	339	662,496
13	Munising, Marquette & Southeastern Ry	94.95	132.78	80,456	.....	80,456	47,131	111,170	641	239,398
14	Wisconsin & Michigan Ry	47.13	57.98	32,443	.....	32,443	34,753	.....	.....	67,196
	Total, Upper Peninsula, Classes I and II	1,719.52	2,205.26	2,833,754	37,522	2,871,276	2,104,701	413,233	4,461	5,393,671
	Lower Peninsula.									
16	Ann Arbor R. R	288.04	289.85	551,528	14,071	565,599	727,326	.....	715	1,293,640
17	Boyne City, Gaylord & Alpena R. R	53.90	73.15	51,400	.....	51,400	34,200	38,500	.....	124,100
18	Chicago, Kalamazoo & Saginaw R. R	44.90	44.90	27,667	.....	27,667	60,116	.....	121	87,904
19	Cincinnati Northern R. R	41.07	41.07	68,278	1,561	69,839	54,966	.....	5	124,810
20	Cleve., Cincinnati, Chicago & St. Louis Ry	34.97	34.97	81,574	1,132	82,706	58,305	.....	.....	141,011
21	Delray Connecting R. R	.....	14.55	9,188	.....	9,188	.....	.....	.....	9,188
22	Detroit, Bay City & Western R. R	71.00	71.00	55,684	.....	55,684	98,896	14,029	233	168,842
23	Detroit & Mackinac Ry	356.	384,82	162,538	2,476	165,014	314,596	135,450	2,785	617,845
24	Detroit Terminal R. R	.....	20.25	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R	86.93	98.95	111,842	1,030	112,872	85,590	4,323	78	202,863

26	Detroit & Toledo Shore Line R. R.	.....	80.80	292,525	7,567	300,092	.....	.....	.....	300,092
27	Grand Rapids & Indiana Ry.	405.89	428.66	930,845	8,297	939,142	1,100,121	58,672	3,405	2,101,340
	Grand Trun'c System:									
31	Chicago, Detroit & Can. Gd. Jct. R. R.	51.58	60.00	176,560	7,024	183,584	188,344	.....	475	372,403
33	Cincinnati, Saginaw & Mackinaw R. R.	54.16	54.16	101,578	2,145	103,723	69,322	.....	78	173,123
34	Detroit, Grand Haven & Milwaukee Ry.	190.52	190.52	744,761	19,085	763,846	539,210	.....	454	1,303,510
36	Grand Trunk Western Ry.	224.41	235.71	1,764,626	83,223	1,847,849	854,690	27,357	1,707	2,731,603
37	Michigan Air Line Ry.	105.60	105.60	114,604	3,038	117,642	111,554	.....	77	229,273
38	Pontiac, Oxford & Northern R. R.	100.59	100.59	85,496	2,880	88,376	126,985	.....	67	215,428
39	St. Clair Tunnel Company	1.01	1.01	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry.	116.24	116.24	113.110	28	113,138	73,823	.....	614	187,575
41	Kalamazoo, Lake Shore & Chicago Ry.	32.03	32.03	20,493	89	20,582	52,673	8,052	.....	81,307
42	Manistee & Northeastern R. R.	181.64	189.82	210,018	.....	210,018	171,548	54,127	138	435,831
43	Michigan Central R. R.	1,219.19	1,255.08	3,886,793	80,869	3,967,662	4,226,490	327,658	7,718	8,529,528
61	New York Central Ry.	585.87	a 580.32	815,340	7,880	823,220	1,173,864	22,344	1,582	2,021,010
67	Pere Marquette Ry.	1,666.37	1,795.67	3,290,527	53,119	3,343,646	2,961,158	196,278	2,513	6,503,595
69	Wabash Railway	80.40	105.60	516,940	10,687	527,627	486,492	.....	.....	1,014,119
	Total, Lower Pe. insula, Classes I and II.	5,992.31	6,405.32	14,183,915	306,201	14,490,116	13,570,269	886,790	22,765	28,969,940
	Total, State of Michigan	7,711.83	8,610.58	17,017,669	343,723	17,361,392	15,674,970	1,300,023	27,226	34,363,611

a. The total average is 586.24.

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Train-miles work service. Item 18.	Locomotive miles.					
			Freight.				Passenger.	
			Principal. Item 21.	Helper. Item 22.	Light. Item 23.	Total. Item 24.	Principal. Item 25.	Helper. Item 26.
	Upper Peninsula.							
1	Chicago, Milwaukee & St. Paul Ry	25,084	345,530	365	136,674	482,569	262,110	544
2	Chicago and Northwestern Ry	56,027	726,271	12,233	25,790	764,294	485,050	3,582
4	Copper Range Railroad Co	20,321	145,458	773	.....	146,231	176,534	18,547
5	The Duluth, South Shore & Atlantic Ry	58,569	765,692	40,213	42,608	848,513	750,269	12,257
6	Escanaba & Lake Superior Ry	7,910	51,281	.....	.....	51,281	.....	.....
7	Lake Superior & Ishpeming Ry	19,893	59,264	.....	.....	59,264	13,265	.....
8	Manistique & Lake Superior R. R	5,200	50,072	.....	498	50,570	.....	.....
9	Mineral Range R. R	11,823	232,751	24,406	2,561	259,718	83,029	432
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	7,417	386,796	92	1,295	388,183	252,550	41
13	Munising, Marquette & Southeastern Ry	9,429	80,456	.....	.....	80,456	47,131	.....
14	Wisconsin & Michigan Ry	188	32,443	.....	.....	32,443	34,753	.....
	Total, Upper Peninsula, Classes I and II	221,861	2,876,014	78,082	209,426	3,163,522	2,104,691	35,403
	Lower Peninsula.							
16	Ann Arbor R. R	10,760	569,392	5,711	16,388	591,491	470,028	652
17	Boyne City, Gaylord & Alpena R. R	12,000	51,400	.....	.....	51,400	34,200	.....
18	Chicago, Kalamazoo & Saginaw R. R	30	27,880	.....	.....	27,880	60,116	.....
19	Cincinnati Northern R. R	2,131	69,839	3,408	3,078	76,325	54,966	80
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	498	82,995	4,541	770	88,306	58,358	265
21	Delray Connecting R. R	.....	9,671	300	.....	9,971	.....	.....
22	Detroit, Bay City & Western R. R	423	55,684	.....	.....	55,684	98,896	.....
23	Detroit & Mackinac Ry	16,158	163,165	.....	421	163,586	314,964	.....
24	Detroit Terminal R. R	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R	2,168	163,793	2,145	5,986	171,924	85,590	.....

26	Detroit & Toledo Shore Line R. R.	427	302,016	40	347	302,403	.....	.....
27	Grand Rapids & Indiana Ry.	73,454	939,142	76,275	54,980	1,070,397	1,100,121	13,016
	Grand Trunk System:							
31	Chicago, Detroit & Canada Grand Tr. Jct. R. R.	44,170	183,615	2,775	2,009	188,399	188,344	3,444
33	Cincinnati, Saginaw & Mackinaw R. R.	20,371	103,742	6,725	2,632	113,099	69,322	842
34	Detroit, Grand Haven & Milwaukee Ry.	109,522	764,276	32,263	16,607	813,146	539,210	2,819
36	Grand Trunk Western Ry.	64,707	1,848,045	17,932	47,880	1,913,857	854,690	6,386
37	Michigan Air Line Ry.	12,531	117,934	35,805	2,252	155,991	111,554	534
38	Pontiac, Oxford & Northern R. R.	4,761	88,520	12,708	777	102,005	126,985	4,120
39	St. Clair Tunnel Company	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry.	3,020	113,166	9,170	577	122,913	73,823	1,198
41	Kalamazoo, Lake Shore & Chicago Ry.	.....	20,582	.....	.....	20,582	52,673	.....
42	Manistee & Northeastern R. R.	7,454	210,018	.....	.....	210,018	171,548	.....
43	Michigan Central R. R.	151,983	4,596,728	50,569	104,093	4,751,390	4,342,674	47,677
61	New York Central Ry.	151,274	855,832	7,263	26,490	889,585	1,220,716	4,391
67	Pere Marquette Ry.	153,624	3,408,476	139,832	118,374	3,666,682	2,945,832	5,520
69	Wabash Railway	3,956	527,627	4,420	4,315	536,362	486,492	20
	Total, Lower Peninsula, Classes I and II	845,422	15,273,538	411,882	407,976	16,093,396	13,461,102	90,964
	Total, State of Michigan	1,067,283	18,149,552	489,964	617,402	19,256,918	15,565,793	126,367

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Locomotive miles.							
		Passenger.		Mixed train.				Special.	
		—Light Item 27.	—Total. Item 28.	—Principal. Item 29.	—Helper. Item 30.	—Light. Item 31.	—Total. Item 32.	—Principal. Item 33.	—Helper. Item 34.
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry	122	262,776	42,353	76	1,844	44,273	929	
2	Chicago & Northwestern Ry	2,689	491,321	102,426	73	876	103,375		
4	Copper Range Railroad Co		195,081	27,768			27,768	236	110
5	The Duluth, South Shore & Atlantic Ry	15,356	777,882	16,873			16,873	2,058	94
6	Escanaba & Lake Superior Ry			38,822			38,822		
7	Lake Superior & Ishpeming Ry		13,265						
8	Manistique & Lake Superior R. R			23,162			23,162	39	
9	Mineral Range R. R	1,800	85,261	27,645		43	27,688	219	
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	1,005	253,596	23,019		54	23,073	339	
13	Munising, Marquette & Southeastern Ry		47,131	111,170			111,170	641	
14	Wisconsin & Michigan Ry		34,753						
	Total, Upper Peninsula, Classes I and II	20,972	2,161,066	413,238	149	2,817	416,204	4,461	204
	Lower Peninsula.								
16	Ann Arbor R. R	12,637	483,317					496	
17	Boyne City, Gaylord & Alpena R. R		34,200	38,500			38,500		
18	Chicago, Kalamazoo & Saginaw R. R		60,116					121	
19	Cincinnati Northern R. R	70	55,116					5	
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	8	58,631						
21	Delray Connecting R. R								
22	Detroit, Bay City & Western R. R		98,896	14,029			14,029	233	
23	Detroit & Mackinac Ry	8,964	323,928	135,450			135,450	2,787	
24	Detroit Terminal R. R								
25	Detroit, Toledo & Ironton R. R	1,097	86,687	4,573		540	5,113	79	10

26	Detroit & Toledo Shore Line R. R.								
27	Grand Rapids & Indiana Ry	19,981	1,133,118	58,672		1,403	60,075	3,405	317
	Grand Trunk System:								
31	Chicago, Detroit & Canada Grand Tr. Jct. R. R.	1,626	193,414					475	
33	Cincinnati, Saginaw & Mackinaw R. R.		70,164					78	
34	Detroit, Grand Haven & Milwaukee Ry	7,286	549,315					454	34
36	Grand Trunk Western Ry	814	861,890	27,357			27,357	1,707	
37	Michigan Air Line Ry	213	112,301					77	
38	Pontiac, Oxford & Northern R. R.	780	131,885					67	
39	St. Clair Tunnel Company								
40	Toledo, Saginaw & Muskegon Ry	168	75,189					614	430
41	Kalamazoo, Lake Shore & Chicago Ry	33	52,706	8,052			8,052		
42	Manistee & Northeastern R. R.		171,548	54,127			54,127	138	
43	Michigan Central R. R.	48,350	4,438,701	315,641		4,117	319,758	8,360	43
61	New York Central Ry	9,256	1,234,363	31,349	30	20	31,399	1,582	20
67	Pere Marquette Ry	47,937	2,999,289	197,008	23	3,832	200,863	2,513	
69	Wabash Railway	9,455	495,967						
	Total, Lower Peninsula, Classes I and II	168,675	13,720,741	884,758	53	9,912	894,723	23,191	854
	Total, State of Michigan	189,647	15,881,807	1,297,996	202	12,729	1,310,927	27,652	1,058

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Locomotive miles.							
		Special.		Train switching. Item 37.	Yard switching.			Total transportation service. Item 41.	Work service. Item 42.
		—Light. Item 35.	—Total. Item 36.		—Freight. Item 38	—Passenger. Item 39.	—Total. Item 40.		
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry	.....	929	55,015	91,753	.....	91,753	937,315	25,084
2	Chicago & Northwestern Ry	.....	None	43,541	967,414	27,876	995,290	2,397,821	68,999
4	Copper Range Railroad Co.	.....	346	41,218	53,817	.....	53,817	464,461	20,425
5	Duluth, South Shore & Atlantic Ry	145	2,297	134,594	289,328	17,883	307,211	2,087,370	59,014
6	Escanaba & Lake Superior Ry	.....	.....	.....	63,643	.....	63,643	153,746	7,910
7	Lake Superior & Ishpeming Ry	.....	.....	.....	161,414	.....	161,414	233,943	19,893
8	Manistique & Lake Superior R. R.	.....	39	.....	43,800	.....	43,800	117,571	5,200
9	Mineral Range R. R.	14	233	61,455	236,667	1,872	238,539	672,894	11,850
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	.....	339	73,684	140,737	.....	140,737	879,613	7,788
13	Munising, Marquette & Southeastern Ry	.....	641	3,424	50,054	.....	50,054	292,876	9,429
14	Wisconsin & Michigan Ry	.....	.....	.....	.....	.....	.....	67,196	188
	Total, Upper Peninsula, Classes I and II	159	4,824	412,932	2,098,627	47,631	2,146,258	8,304,806	235,780
	Lower Peninsula.								
16	Ann Arbor R. R.	219	715	57,507	276,036	21,720	297,756	1,430,786	10,760
17	Boyne City, Gaylord & Alpena R. R.	.....	.....	.....	24,500	.....	24,500	148,600	12,000
18	Chicago, Kalamazoo & Saginaw R. R.	.....	121	4,081	30,098	.....	30,098	122,296	30
19	Cincinnati Northern R. R.	.....	5	14,247	7,274	369	7,643	153,336	2,131
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	.....	.....	6,978	17,210	655	17,865	171,780	1,219
21	Delray Connecting R. R.	.....	.....	.....	160,140	.....	160,140	170,111	170,111
22	Detroit, Bay City & Western R. R.	.....	233	15,766	.....	.....	.....	184,608	423
23	Detroit & Mackinac Ry	.....	2,787	52,034	81,424	4,313	85,737	763,522	16,158
24	Detroit Terminal R. R.	.....	.....	.....	421,644	.....	421,644	421,644	10,104
25	Detroit, Toledo & Ironton R. R.	35	124	16,642	80,860	.....	80,860	361,350	2,188

26	Detroit & Toledo Shore Line R. R.	.....	.....	93,983	126,988	.....	126,988	523,374	287
27	Grand Rapids & Indiana Ry	181	3,903	81,923	451,760	48,555	500,315	2,849,731	73,454
	Grand Trunk System:								
31	Chicago, Detroit & Canada Grand Tr. Jct. R. R.	.....	475	30,540	621,073	22,866	643,939	1,056,767	46,570
33	Cincinnati, Saginaw & Mackinaw R. R.	.....	78	3,942	81,102	6	81,108	268,391	20,371
34	Detroit, Grand Haven & Milwaukee Ry	.....	488	61,152	1,076,618	89,061	1,165,679	2,589,780	110,284
36	Grand Trunk Western Ry	.....	1,707	96,076	385,884	6,672	392,556	3,293,443	91,151
37	Michigan Air Line Ry	.....	77	43,273	54,486	36	54,522	366,164	12,531
38	Pontiac, Oxford & Northern R. R.	.....	67	13,749	29,566	1,459	31,025	278,731	4,761
39	St. Clair Tunnel Company	.....	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry	.....	1,044	25,756	.....	.....	.....	224,902	3,020
41	Kalamazoo, Lake Shore & Chicago Ry	.....	.....	.....	.....	.....	.....	81,340	1,300
42	Manistee & Northeastern R. R.	.....	138	.....	100,777	6,388	107,165	542,996	7,454
43	Michigan Central R. R.	414	8,817	340,901	4,783,356	315,309	5,098,665	14,958,232	395,102
61	New York Central Ry	658	2,260	174,033	495,183	21,171	516,354	2,847,994	77,094
67	Pere Marquette Ry	.....	2,513	714,827	1,972,426	94,048	2,066,474	9,650,648	273,588
69	Wabash Railway	.....	.....	16,618	736,209	75,590	811,799	1,860,746	3,956
	Total, Lower Peninsula, Classes I and II	1,507	25,552	1,864,028	12,014,614	708,218	12,722,832	45,321,272	1,346,047
	Total, State of Michigan	1,666	30,376	2,276,960	14,113,241	755,849	14,869,090	53,626,078	1,581,827

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Locomotive Ton—Miles.				
		Freight train service. Item 46.	Mixed train service. Item 47.	Passenger train service. Item 48.	Special train service. Item 49.	Total transportation service. Item 50.
	Upper Peninsula.					
1	Chicago, Milwaukee & St. Paul Ry	41,420,500	3,469,269	18,517,126	23,498	63,430,393
2	Chicago & Northwestern Ry	77,362,603	6,688,156	43,961,929	.....	128,012,688
4	Copper Range Railroad	.....	.....	.....	.....	.....
5	The Duluth, South Shore & Atlantic Ry	.....	.....	.....	.....	.....
6	Escanaba & Lake Superior Ry	.....	.....	.....	.....	.....
7	Lake Superior & Ishpeming Ry	.....	.....	.....	.....	.....
8	Manistique & Lake Superior R. R.	.....	.....	.....	.....	.....
9	Mineral Range R. R.	29,323,591	1,309,965	5,396,414	12,411	36,042,381
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	42,695,766	1,455,906	21,331,398	29,598	65,512,668
13	Munising, Marquette & Southeastern Ry	.....	.....	.....	.....	.....
14	Wisconsin & Michigan Ry	1,946,580	.....	1,668,144	.....	3,614,724
	Total, Upper Peninsula Classes I and II	192,749,040	12,923,296	90,875,011	65,507	296,612,854
	Lower Peninsula.					
16	Ann Arbor R. R.	59,299,747	.....	35,097,780	63,608	94,461,135
17	Boyne City, Gaylord & Alpena R. R.	.....	.....	.....	.....	.....
18	Chicago, Kalamazoo & Saginaw R. R.	.....	.....	.....	.....	.....
19	Cincinnati Northern R. R.	8,165,236	.....	2,712,941	653	10,878,830
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	8,195,029	.....	3,646,204	.....	11,841,233
21	Delray Connecting R. R.	.....	.....	.....	.....	.....
22	Detroit, Bay City & Western R. R.	.....	.....	.....	.....	.....
23	Detroit & Mackinac Ry	12,886,333	5,256,808	18,436,352	104,787	36,684,280
24	Detroit Terminal R. R.	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R.	.....	.....	.....	.....	.....

26	Detroit & Toledo Shore Line R. R.	26,611,464				26,611,464
27	Grand Rapids & Indiana Ry	92,474,044	3,276,438	80,622,008	295,242	176,667,732
	Grand Trunk System:					
31	Chicago, Detroit & Canada Grand Tr. Jct. R. R.	17,779,646		15,503,991	46,580	33,330,217
33	Cincinnati, Saginaw & Mackinaw R. R.	5,517,086		3,505,680		9,022,766
34	Detroit, Grand Haven & Milwaukee Ry	66,982,305		42,527,516	52,076	109,561,897
36	Grand Trunk Western Ry	225,658,640	1,307,646	83,286,346	215,853	310,468,485
37	Michigan Air Line Ry	7,573,002		5,603,310	2,800	13,179,112
38	Pontiac, Oxford & Northern R. R.	5,047,220		6,296,340		11,343,560
39	St. Clair Tunnel Company					
40	Toledo, Saginaw & Muskegon Ry	6,114,122		3,755,476	39,752	9,909,350
41	Kalamazoo, Lake Shore & Chicago Ry					
42	Manistee & Northeastern R. R.					
43	Michigan Central R. R.	504,536,337	27,800,486	493,254,840	852,255	1,026,443,918
61	New York Central Ry	117,140,074	1,679,644	148,051,518	242,857	267,114,093
67	Pere Marquette Ry	568,987,913	11,518,748	230,139,644	65,475	810,711,780
69	Wabash Railway	55,934,949		45,674,465		101,609,414
	Total, Lower Peninsula Classes I and II	1,788,903,147	50,839,770	1,218,114,411	1,981,938	3,059,839,266
	Total, State of Michigan	1,981,652,187	63,763,066	1,308,989,422	2,047,445	3,356,452,120

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Car-miles.						
		Freight train.					Passenger train.	
		—Loaded. Item 51.	—Empty. Item 52.	Sum of loaded and empty. Item 53.	—Caboose. Item 54.	—Total. Item 55.	—Passenger. Item 56.	—Sleeping, parlor and observation. Item 57.
	Upper Peninsula.							
1	Chicago, Milwaukee & St. Paul Ry	7,045,764	5,296,546	12,342,310	369,835	12,712,145	504,732	206,401
2	Chicago & Northwestern Ry	15,459,369	10,682,663	26,142,032	699,455	26,841,487	1,227,187	385,762
4	Copper Range Railroad Co	1,245,991	933,996	2,179,987	145,458	2,325,445	328,101	44,153
5	The Duluth, South Shore & Atlantic Ry	11,358,953	5,003,381	16,362,334	754,199	17,116,533	1,703,531	871,256
6	Escanaba & Lake Superior Ry	407,320	365,104	772,424	40,106	812,530	.....	.....
7	Lake Superior & Ishpeming Ry	1,175,062	1,094,413	2,269,475	63,862	2,333,337	30,506	.....
8	Manistique & Lake Superior R. R	454,142	363,179	817,321	50,570	867,891	.....	.....
9	Mineral Range R. R	2,230,175	1,852,145	4,082,320	178,043	4,260,363	122,754	49,129
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	7,392,905	3,201,146	10,594,051	389,145	10,983,196	511,546	286,703
13	Munising, Marquette & Southeastern Ry	1,099,303	778,457	1,877,760	82,304	1,960,064	127,251	.....
14	Wisconsin & Michigan Ry	188,252	105,844	294,096	41,808	335,904	34,753	.....
	Total, Upper Peninsula, Classes I and II	48,057,236	29,676,874	77,734,110	2,814,785	80,548,895	3,590,361	1,843,404
	Lower Peninsula.							
16	Ann Arbor R. R	14,822,265	4,341,249	19,163,514	565,600	19,729,114	1,444,850	146,485
17	Boyne City, Gaylord & Alpena R. R	998,200	772,800	1,771,000	51,400	1,822,400	68,400	.....
18	Chicago, Kalamazoo & Saginaw R. R	178,300	60,470	238,770	27,697	266,467	82,053	.....
19	Cincinnati Northern R. R	1,669,369	869,631	2,539,000	69,839	2,608,839	125,345	3,876
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	1,802,567	698,059	2,500,626	82,707	2,583,333	121,220	20,623
21	Delray Connecting R. R	147,476	149,641	297,117	9,983	307,100	.....	.....
22	Detroit, Bay City & Western R. R	273,213	141,855	415,068	55,535	470,603	174,236	.....
23	Detroit & Mackinac Ry	3,918,544	1,708,466	5,627,010	159,731	5,786,741	672,980	152,173
24	Detroit Terminal R. R	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R	2,660,804	1,288,570	3,949,374	112,478	4,061,852	103,266	.....

26	Detroit & Toledo Shore Line R. R.	7,448,537	4,115,618	11,564,155	301,607	11,865,762	.....	.....
27	Grand Rapids & Indiana Ry	17,027,175	6,334,441	23,361,616	987,024	24,348,640	2,601,449	1,739,139
	Grand Trunk System:							
31	Chicago, Detroit & Canada Grand Tr. Jct. R. R.	4,213,298	1,560,237	5,773,535	183,745	5,957,280	419,786	178,307
33	Cincinnati, Saginaw & Mackinaw R. R.	1,001,553	327,046	1,328,599	103,561	1,432,160	157,749	390
34	Detroit, Grand Haven & Milwaukee Ry	13,800,115	4,308,564	18,108,679	762,163	18,870,842	1,249,683	347,089
36	Grand Trunk Western Ry	48,131,414	23,030,201	71,161,615	1,894,305	73,055,920	1,858,706	1,700,786
37	Michigan Air Line Ry	1,084,206	429,719	1,513,925	116,193	1,630,118	122,311	344
38	Pontiac, Oxford & Northern R. R.	589,358	247,565	836,923	87,628	924,551	209,481	.....
39	St. Clair Tunnel Company	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry	981,654	322,082	1,303,736	113,138	1,416,874	85,116	.....
41	Kalamazoo, Lake Shore & Chicago Ry	73,824	37,780	111,604	15,370	126,974	102,429	.....
42	Manistee & Northeastern R. R.	1,614,410	1,203,611	2,818,021	227,197	3,045,218	394,260	.....
43	Michigan Central R. R.	122,610,738	50,729,376	173,340,114	4,021,345	177,361,459	8,477,002	10,478,726
61	New York Central Ry	28,133,078	13,585,277	41,718,355	849,557	42,567,912	2,539,897	2,464,728
67	Pere Marquette Ry	91,581,710	31,618,714	123,200,424	3,343,721	126,544,145	7,019,785	1,995,043
69	Wabash Railway	18,210,497	5,547,907	23,758,404	537,572	24,295,976	1,052,490	722,364
	Total, Lower Peninsula, Classes I and II	382,972,305	153,428,879	536,401,184	14,679,096	551,080,280	29,082,494	19,950,073
	Total, State of Michigan	431,029,541	183,105,753	614,135,294	17,493,881	631,629,175	32,672,855	21,793,477

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Car-miles.						
		Passenger train.—			Mixed train.—			
		—Dining. Item 58.	—Other Item 59.	—Total. Item 60.	—Freight.— Loaded. Item 61.	—Freight.— Empty. Item 62.	—Caboose. Item 63.	—Passenger. Item 64.
	Upper Peninsula.							
1	Chicago, Milwaukee & St. Paul Ry	41,276	300,394	1,052,803	169,310	104,508	3,334	72,231
2	Chicago & Northwestern Ry	48,338	978,450	2,639,737	826,436	346,715	6,087	154,466
4	Copper Range Railroad Co.	.....	135,901	508,155	137,673	87,241	19,876	25,112
5	The Duluth, South Shore & Atlantic Ry	173,843	849,007	3,597,637	111,296	121,812	.....	34,431
6	Escanaba & Lake Superior Ry	.....	.....	.....	255,682	146,871	.....	100,584
7	Lake Superior & Ishpeming Ry	.....	.....	30,506	.....	.....	.....	.....
8	Manistique & Lake Superior R. R.	.....	.....	.....	75,799	22,416	.....	46,324
9	Mineral Range R. R.	.....	51,843	223,726	135,606	85,754	.....	41,946
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	79,310	388,315	1,265,874	306,342	260,249	49	44,267
13	Munising, Marquette & Southeastern Ry	.....	.....	127,251	613,217	391,165	.....	151,965
14	Wisconsin & Michigan Ry	.....	.....	34,753	.....	.....	.....	.....
	Total, Upper Peninsula, Classes I and II	342,767	2,703,910	9,480,442	2,631,361	1,566,731	29,346	671,326
	Lower Peninsula.							
16	Ann Arbor R. R.	53	571,287	2,162,675	.....	.....	.....	.....
17	Boyne City, Gaylord & Alpena R. R.	.....	.....	68,400	920,450	590,250	.....	38,500
18	Chicago, Kalamazoo & Saginaw R. R.	.....	62,004	144,057	.....	.....	.....	.....
19	Cincinnati Northern R. R.	.....	45,855	175,076	.....	.....	.....	.....
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	.....	63,965	205,808	.....	.....	.....	.....
21	Delray Connecting R. R.	.....	.....	.....	.....	.....	.....	.....
22	Detroit, Bay City & Western R. R.	.....	541	174,777	4,820	3,900	.....	28,058
23	Detroit & Mackinac Ry	.....	472,292	1,297,445	527,468	267,728	.....	201,161
24	Detroit Terminal R. R.	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R.	.....	112,277	215,543	7,550	5,523	3,420	832

26	Detroit & Toledo Shore Line R. R.							
27	Grand Rapids & Indiana Ry	106,880	1,495,756	5,943,224	145,006	78,687	7,367	95,695
	Grand Trunk System:							
31	Chicago, Detroit & Canada Grand Tr. Jct. R. R.	20,464	330,842	949,399				
33	Cincinnati, Saginaw & Mackinaw R. R.	110	72,293	230,542				
34	Detroit, Grand Haven & Milwaukee Ry	24,384	1,021,678	2,642,834				
36	Grand Trunk Western Ry	392,984	2,047,637	6,000,113	85,013	10,392		43,846
37	Michigan Air Line Ry	35	147,711	267,401				
38	Pontiac, Oxford & Northern R. R.		254,285	463,766				
39	St. Clair Tunnel Company							
40	Toledo, Saginaw & Muskegon Ry		145,050	230,166				
41	Kalamazoo, Lake Shore & Chicago Ry		16,104	118,533				
42	Manistee & Northeastern R. R.			394,260	62,616	28,135		90,762
43	Michigan Central R. R.	1,933,156	10,713,993	31,602,877	2,702,231	639,295	7,970	811,729
61	New York Central Ry	126,062	3,063,292	8,193,979	217,262	47,624	6,870	20,964
67	Pere Marquette Ry	220,684	4,654,620	13,890,132	542,221	214,842		276,689
69	Wabash Railway	205,236	601,705	2,581,795				
	Total Lower Peninsula, Classes I and II	3,030,048	25,893,187	77,952,802	5,214,637	1,886,376	25,627	1,608,236
	Total, State of Michigan	3,372,815	28,597,097	87,433,244	7,845,998	3,453,107	54,973	2,279,562

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Car-miles.						
		Mixed train.—				Special train.—		
		Sleeping, parlor and observation. Item 65.	Dining. Item 66.	Other passenger-train. Item 67.	—Total. Item 68.	—Freight. Loaded. Item 69.	Freight.— Empty. Item 70.	—Caboose. Item 71.
	Upper Peninsula.							
1	Chicago, Milwaukee & St. Paul Ry	296		1,039	350,718	19,025		812
2	Chicago & Northwestern Ry			9,716	1,343,420			
4	Copper Range Railroad Co				269,902	7,234		
5	Duluth, South Shore & Atlantic Ry			94	267,633	17,980		1,485
6	Escanaba & Lake Superior Ry				503,137			
7	Lake Superior & Ishpeming Ry							
8	Manistique & Lake Superior R. R				144,539	78		
9	Mineral Range R. R				263,306	1,643		28
11	Minneapolis, St. Paul & Sault Ste. Marie Ry			258	611,165	2,073		333
13	Munising, Marquette & Southeastern Ry				1,156,347			
14	Wisconsin & Michigan Ry							
	Total, Upper Peninsula, Classes I and II	296		11,107	4,910,167	48,033		2,658
	Lower Peninsula.							
16	Ann Arbor R. R					3,611		
17	Boyne City, Gaylord & Alpena R. R				1,549,200			
18	Chicago, Kalamazoo & Saginaw R. R					558		31
19	Cincinnati Northern R. R					96		5
20	Cleveland, Cincinnati, Chicago & St. Louis Ry							
21	Delray Connecting R. R							
22	Detroit, Bay City & Western R. R				36,778			
23	Detroit & Mackinac Ry			1,206	997,563	3,600	62	1,347
24	Detroit Terminal R. R							
25	Detroit, Toledo & Ironton R. R			685	18,010	595		24

26	Detroit & Toledo Shore Line R. R.							
27	Grand Rapids & Indiana Ry	320			327,075	17,110		1,944
	Grand Trunk System:							
31	Chicago, Detroit & Canada Gd. Tr. Jct. R. R.							475
33	Cincinnati, Saginaw & Mackinaw R. R.							78
34	Detroit, Grand Haven & Milwaukee Ry							403
36	Grand Trunk Western Ry	11		10,043	149,305			1,724
37	Michigan Air Line Ry							77
38	Pontiac, Oxford & Northern R. R.							
39	St. Clair Tunnel Company							
40	Toledo, Saginaw & Muskegon Ry							805
41	Kalamazoo, Lake Shore & Chicago Ry							
42	Manistee & Northeastern R. R.				181,513	1,104		
43	Michigan Central R. R.	4,084		197,921	4,363,230	96,551		7,718
61	New York Central Ry	2,161		13,622	308,503	30,131		1,509
67	Pere Marquette Ry				1,033,752	22,869		1,462
69	Wabash Railway							
	Total, Lower Peninsula, Classes I and II	6,576		223,477	8,964,929	176,225	62	17,602
	Total, State of Michigan	6,872		234,584	13,875,096	224,258	62	20,260

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Car-miles.						
		Special train.—					Total transportation service. Item 77.	Work service. Item 78.
		—Passenger. Item 72.	—Sleeping, parlor and observation. Item 73.	—Dining. Item 74.	—Other passenger train. Item 75.	—Total. Item 76.		
	Upper Peninsula.							
1	Chicago, Milwaukee & St. Paul Ry	.....	1,050	.....	175	21,062	14,136,728	301,008
2	Chicago & Northwestern Ry	.....	.....	.....	.....	.....	30,824,644	407,780
4	Copper Range Railroad	.....	.....	.....	.....	7,234	3,110,736	82,736
5	The Duluth, South Shore & Atlantic Ry	7,747	98	.....	105	27,415	21,009,218	293,422
6	Escanaba & Lake Superior R. R	.....	.....	.....	.....	.....	1,315,667	43,477
7	Lake Superior & Ishpeming Ry	.....	.....	.....	.....	.....	2,363,843	.....
8	Manistique & Lake Superior R. R	.....	.....	.....	.....	78	1,012,508	26,000
9	Mineral Range R. R	749	28	.....	.....	2,448	4,749,843	23,375
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	30	696	.....	308	3,440	12,863,675	65,910
13	Munising, Marquette & Southeastern Ry	1,822	.....	.....	.....	1,822	3,245,484	27,447
14	Wisconsin & Michigan Ry	.....	.....	.....	.....	.....	370,657	188
	Total, Upper Peninsula, Classes I and II	10,348	1,872	.....	588	63,499	95,003,003	1,271,343
	Lower Peninsula.							
16	Ann Arbor R. R	1,772	50	.....	387	5,820	21,897,609	27,393
17	Boyne City, Gaylord & Alpena R. R	.....	.....	.....	.....	.....	3,440,000	180,000
18	Chicago, Kalamazoo & Saginaw R. R	307	.....	.....	.....	896	411,420	252
19	Cincinnati Northern R. R	37	.....	.....	.....	138	2,784,053	4,343
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	.....	.....	.....	.....	.....	2,789,141	4,089
21	Delray Connecting R. R	.....	.....	.....	.....	.....	307,100	.....
22	Detroit, Bay City & Western R. R	.....	.....	.....	.....	.....	682,158	423
23	Detroit & Mackinac Ry	2,340	270	.....	.....	7,619	8,089,368	89,913
24	Detroit Terminal R. R	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R	170	224	89	45	1,147	4,296,552	43,960

26	Detroit, Toledo & Shore Line R. R.						11,865,762	2,836
27	Grand Rapids & Indiana Ry	5,351	602		397	25,404	30,644,343	288,081
	Grand Trunk System:							
31	Chicago, Detroit & Canada Grand Tr. Jct. R. R.	5,361			342	6,178	6,912,857	139,298
33	Cincinnati, Saginaw & Mackinaw R. R.	819				897	1,663,599	91,104
34	Detroit, Grand Haven & Milwaukee Ry	6,320			1,681	8,404	21,522,080	1,234,515
36	Grand Trunk Western Ry	10,882			187	12,793	79,218,131	409,956
37	Michigan Air Line Ry	216				293	1,897,812	64,402
38	Pontiac, Oxford & Northern R. R.	472			67	539	1,388,856	20,579
39	St. Clair Tunnel Company							
40	Toledo, Saginaw & Muskegon Ry	4,522				5,327	1,652,367	23,463
41	Kalamazoo, Lake Shore & Chicago Ry						245,507	
42	Manistee & Northeastern R. R.					1,104	3,622,095	23,332
43	Michigan Central R. R.					104,269	213,431,835	1,151,744
61	New York Central Ry	67				31,707	51,102,101	295,530
67	Pere Marquette Ry	1,975	5,636		140	32,082	141,500,111	864,700
69	Wabash Railway						26,877,771	22,583
	Total, Lower Peninsula, Classes I and II	40,611	6,782	89	3,246	244,617	638,242,628	4,982,496
	Total, State of Michigan	50,959	8,654	89	3,834	308,116	733,245,631	6,253,839

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating Railroads.	Freight service. Tons. Revenue freight. Item 81.	Freight service. Tons. Non-revenue freight. Item 82.	Freight service. Tons. Total. Item 83.	Freight service. Ton.—Miles. Revenue freight. Item 84.	Freight service. Ton.—Miles. Non-revenue freight. Item 85.	Freight service. Ton.—Miles. Total. Item 86.	Passenger service. Revenue passengers carried. Item 91.	Passenger service. Revenue passengers mile. Item 92.
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry	2,011,590	52,914	2,064,504	246,122,142	11,621,908	257,744,050	180,192	5,884,503
2	Chicago & Northwestern Ry	16,363,373	415,875	16,779,248	565,341,056	20,540,884	585,881,940	636,295	18,305,847
4	Copper Range Railroad Co	2,590,707	19,581	2,610,288	44,850,196	255,515	45,105,711	520,613	6,558,158
5	The Duluth, South Shore & Atlantic Ry	3,491,192	205,513	3,696,705	256,556,197	8,986,555	265,542,752	725,526	32,273,635
6	Escanaba & Lake Superior Ry	528,640	22,864	551,504	18,878,815	488,638	19,367,453	16,564	527,656
7	Lake Superior & Ishpeming Ry	3,268,303	.....	3,268,303	50,926,103	.....	50,926,103	19,804	271,229
8	Manistique & Lake Superior R. R	348,441	.....	348,441	12,411,468	.....	12,411,468	13,415	321,423
9	Mineral Range R. R	6,722,372	73,440	6,795,812	87,390,410	837,273	88,227,683	183,858	1,514,401
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	2,890,328	No record	2,890,328	160,485,553	No record	160,485,553	242,064	9,834,952
13	Munising, Marquette & Southeastern Ry	1,619,616	.....	1,619,616	50,871,563	.....	50,871,563	208,796	2,954,135
14	Wisconsin & Michigan Ry	88,771	2,700	91,471	3,459,139	82,908	3,542,047	10,039	187,202
	Total, Upper Peninsula, Classes I and II	39,923,333	792,887	40,716,220	1,497,292,642	42,813,681	1,540,106,323	2,757,166	78,633,141
	Lower Peninsula.								
16	Ann Arbor R. R	2,401,697	206,592	2,608,289	400,454,575	18,835,929	419,290,504	1,002,422	27,345,075
17	Boyne City, Gaylord & Alpena R. R	493,310	.....	493,310	16,467,400	.....	16,467,400	59,970	831,392
18	Chicago, Kalamazoo & Saginaw R. R	100,910	75	100,985	2,559,481	2,255	2,561,736	102,543	1,605,836
19	Cincinnati Northern R. R	1,026,211	21,700	1,047,911	33,530,086	473,060	34,003,146	168,237	2,813,788
20	Cleve., Cincinnati, Chicago & St. Louis Ry	480,324	13,797	494,121	15,486,450	390,455	15,876,905	39,355	646,203
21	Delray Connecting R. R	819,648	.....	819,648	9,154,284	.....	9,154,284	.....	.....
22	Detroit, Bay City & Western R. R	238,382	492	238,874	6,228,405	30,932	6,259,337	139,654	2,309,808
23	Detroit & Mackinac Ry	1,096,224	.....	1,096,224	106,344,690	.....	106,344,690	361,049	13,531,595
24	Detroit Terminal R. R	.....	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R	734,871	71,856	806,727	74,611,988	5,304,431	79,916,419	87,685	1,936,462

26	Detroit & Toledo Shore Line R. R.	4,962,794	.....	4,962,794	204,995,179	.....	204,995,179	.....	.....
27	Grand Rapids & Indiana Ry.	3,888,124	322,377	4,210,501	357,034,516	35,314,069	392,348,585	1,751,766	63,146,313
	Grand Trunk System:								
31	Chicago, Detroit & Canada Grand Tr. Jct. R. R.	2,603,691	.....	2,603,691	91,824,138	.....	91,824,138	265,380	11,066,092
33	Cincinnati, Saginaw & Mackinaw R. R.	365,991	.....	365,991	14,739,124	.....	14,739,124	110,728	2,704,952
34	Detroit, Grand Haven & Milwaukee Ry.	3,687,980	.....	3,687,980	235,308,933	.....	235,308,933	797,797	32,120,208
36	Grand Trunk Western Ry.	5,448,025	.....	5,448,025	836,437,779	.....	836,437,779	1,096,972	57,279,319
37	Michigan Air Line Ry.	541,458	.....	541,458	16,647,089	.....	16,647,089	122,666	2,365,244
38	Pontiac, Oxford & Northern R. R.	194,975	.....	194,975	5,631,486	.....	5,631,486	182,302	4,685,770
39	St. Clair Tunnel Company	.....	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry.	184,075	.....	184,075	11,921,882	.....	11,921,882	75,252	1,814,873
41	Kalamazoo, Lake Shore & Chicago Ry.	.....	.....	.....	.....	.....	.....	.....	.....
42	Manistee & Northeastern R. R.	622,273	30,121	652,394	26,195,205	670,797	26,866,002	158,707	3,386,777
43	Michigan Central R. R.	19,535,942	1,885,757	21,421,699	2,364,600,525	136,016,025	2,500,616,550	5,486,196	313,470,289
61	New York Central Ry.	4,917,216	No record	4,917,216	276,791,614	No record	276,791,614	2,947,313	68,439,217
67	Pere Marquette R. R.	10,645,718	1,064,175	11,709,893	1,987,842,639	95,295,637	2,083,138,276	4,167,201	173,852,325
69	Wabash Railway	5,409,586	196,223	5,605,809	379,505,153	16,788,274	396,293,427	383,490	22,484,884
	Total, Lower Peninsula, Classes I and II	70,399,425	3,815,165	74,212,590	7,474,312,621	309,121,864	7,783,434,485	19,506,685	807,836,422
	Total, State of Michigan	110,322,758	4,608,052	114,928,810	8,971,605,263	351,935,545	9,323,540,808	22,263,851	886,469,563

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Freight revenue. Item 101.	Passenger revenue. Item 102.	Passenger service train revenue. Item 103.	Operating revenue. Item 104.	Operating expenses. Item 105.	Net operating revenue. Item 106.
	Upper Peninsula.						
1	Chicago, Milwaukee & St. Paul Ry	$1,265,621 54	$147,968 40	$206,552 05	$1,566,990 99	$1,078,118 05	$488,872 94
2	Chicago & Northwestern Ry	3,498,704 70	392,175 47	540,466 34	4,377,272 51	2,371,093 15	2,006,179 36
4	Copper Range Railroad Co	685,085 28	154,173 23	172,637 24	930,606 42	649,687 07	280,919 35
5	The Duluth, South Shore & Atlantic Ry	2,178,522 34	848,245 93	980,270 67	3,287,430 13	2,247,880 66	1,039,549 47
6	Escanaba & Lake Superior Ry	253,865 61	15,727 18	18,654 80	275,015 45	207,619 80	67,395 65
7	Lake Superior & Ishpeming Ry	668,491 14	3,228 91	3,446 45	828,112 83	577,995 24	250,117 59
8	Manistique & Lake Superior R. R	106,136 82	9,627 55	11,286 41	142,904 34	105,180 41	37,723 93
9	Mineral Range R. R	1,044,784 70	34,533 68	42,227 20	1,107,781 08	900,249 97	207,531 11
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	1,095,590 42	200,376 05	279,133 29	1,418,316 41	1,100,377 70	317,938 71
13	Munising, Marquette & Southeastern Ry	541,691 03	68,293 24	83,797 86	656,652 14	438,214 29	218,437 85
14	Wisconsin & Michigan Ry	44,729 46	4,748 96	6,046 51	50,842 27	46,895 65	3,946 62
	Total, Upper Peninsula, Classes I and II	$11,383,223 04	$1,879,098 60	$2,344,518 82	$14,641,924 57	$9,723,311 99	$4,918,612 58
	Lower Peninsula.						
16	Ann Arbor R. R	$1,824,154 84	$536,386 67	$634,477 64	$2,517,579 60	$1,706,359 38	$811,220 22
17	Boyne City, Gaylord & Alpena R. R	269,349 58	24,817 05	11,071 26	310,354 01	210,603 84	99,750 17
18	Chicago, Kalamazoo & Saginaw R. R	53,554 64	37,976 30	44,975 76	223,098 93	131,796 93	91,302 00
19	Cincinnati Northern R. R	194,474 50	55,262 79	63,310 36	263,426 53	218,667 55	44,758 98
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	86,104 66	12,969 30	37,543 64	129,956 41	249,775 81	*119,819 40*
21	Delray Connecting R. R	101,069 22	.....	.....	296,962 89	248,003 99	48,958 90
22	Detroit, Bay City & Western R. R	149,656 76	60,159 16	7,572 92	217,388 84	114,816 71	102,572 13
23	Detroit & Mackinac Ry	841,605 79	327,907 41	393,519 43	1,254,102 16	855,048 15	399,054 01
24	Detroit Terminal R. R	.....	.....	.....	727,982 05	412,788 89	315,193 16
25	Detroit, Toledo & Ironton R. R	414,121 39	34,754 88	50,487 85	480,858 92	359,890 33	120,968 59
26	Detroit & Toledo Shore Line R. R	1,258,155 23	.....	.....	1,269,473 19	533,954 81	735,518 38
27	Grand Rapids & Indiana Ry	2,571,930 46	1,247,501 39	1,471,997 77	4,187,528 66	3,176,454 37	1,011,074 29
	Grand Trunk System:						
31	Chicago, Detroit & Canada Grand Tr. Jct. R. R	764,180 79	213,557 97	241,031 37	1,201,159 66	908,174 65	292,985 01
33	Cincinnati, Saginaw & Mackinaw R. R	185,023 93	49,809 22	63,912 36	259,981 13	354,229 62	*94,248 94*

34	Detroit, Grand Haven & Milwaukee Ry	2,205,084 23	603,551 54	742,110 36	3,274,517 33	2,698,657 96	575,859 37
36	Grand Trunk Western Ry	4,891,855 91	1,132,077 01	1,367,282 38	6,388,493 56	3,640,961 83	2,747,531 73
37	Michigan Air Line Ry	197,607 00	44,488 57	61,951 11	264,332 61	324,324 46	*59,991 85*
38	Pontiac, Oxford & Northern R. R.	139,405 60	88,956 90	112,685 49	297,397 71	266,126 08	31,271 63
39	St. Clair Tunnel Company	.....	.....	.....	191,582 83	69,156 36	122,426 47
40	Toledo, Saginaw & Muskegon Ry	137,470 63	33,705 71	48,996 07	194,575 82	247,692 70	*53,116 88*
41	Kalamazoo, Lake Shore & Chicago Ry	47,765 29	36,220 64	39,674 73	90,543 58	58,619 77	31,923 81
42	Manistee & Northeastern R. R.	407,710 46	82,751 58	97,582 37	513,153 01	388,404 66	124,748 35
43	Michigan Central R. R.	17,083,069 04	6,621,683 46	8,941,156 88	27,828,448 28	19,920,072 71	7,908,375 57
61	New York Central Ry	2,871,400 12	1,239,784 10	1,558,159 06	4,658,984 19	4,105,136 00	553,848 19
67	Pere Marquette Ry.	12,865,542 74	3,436,014 83	4,419,790 82	18,015,820 64	12,483,101 00	5,532,719 64
69	Wabash Railway	2,228,051 66	467,738 34	594,640 94	2,984,662 47	2,161,759 78	822,902 69
	Total, Lower Peninsula, Classes I and II	$51,788,344 47	$16,388,074 82	$21,003,930 57	$78,042,365 01	$55,844,578 34	$22,197,786 67
	Total, State of Michigan	$63,171,567 51	$18,267,173 42	$23,348,449 39	$92,684,289 58	$65,567,890 33	$27,116,399 25

Deficit items appear in italic type.

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Averages per mile of road.								
		Freight-train miles. Item 111.	Passenger-train miles. Item 112.	Passenger-train miles. Item 112-Mich.	Mixed-train miles. Item 113.	Special-train miles. Item 114.	Transportation service train miles. Item 115.	Work-train miles. Item 116.	Locomotive miles—transportation. Item 117.	Freight service car miles. Item 118.
	Upper Peninsula.									
1	Chicago, Milwaukee & St. Paul Ry	1,329	1,008	1,348	163	4	2,504	97	3,606	50,051
2	Chicago & Northwestern Ry	1,382	933	1,260	197	.....	2,512	108	4,612	53,898
4	Copper Range Railroad Co	1,033	1,254	1,767	197	2	2,485	144	3,298	18,302
5	The Duluth, S. Shore & Atlantic Ry	1,592	1,548	1,822	35	4	3,179	121	4,306	35,834
6	Escanaba & Lake Superior Ry	360	.....	272	.....	.....	.....	.....	.....	.....
7	Lake Superior & Ishpeming Ry	1,741	390	.....	.....	.....	2,131	584	6,873	68,547
8	Manistique & Lake Superior R. R	770	.....	662	353	5/16	1,123	79	1,790	14,713
9	Mineral Range R. R	1,916	692	1,064	230	1	2,840	98	5,607	37,364
11	Minneapolis, St. Paul & S. Ste. Marie Ry	1,568	1,024	1,096	93	1	2,687	30	3,568	46,857
13	Munising, Marquette & Southeastern Ry	606	355	496	837	5	1,803	71	2,206	22,326
14	Wisconsin & Michigan Ry	559	599	737	.....	.....	1,158	3	1,158	5,793
	Total, Upper Penn., Classes I and II.	1,302	954	1,224	187	2	2,446	101	3,766	38,466
	Lower Peninsula.									
16	Ann Arbor R. R	1,951	2,509	2,525	.....	2	4,463	37	4,936	68,078
17	Boyne City, Gaylord & Alpena R. R	702	454	635	712	.....	1,696	164	2,031	45,565
18	Chicago, Kalamazoo & Saginaw R. R	616	1,339	1,339	.....	3	1,958	.....	2,724	5,948
19	Cincinnati Northern R. R	1,700	1,338	1,338	.....	.....	3,309	52	3,734	63,524
20	Cleve., Cin., Chicago & St. Louis Ry	2,365	1,667	1,667	.....	.....	4,032	14	4,917	73,911
21	Delray Connecting R. R	631	.....	.....	.....	.....	631	.....	11,691	21,106
22	Detroit, Bay City & Western R. R	783	1,392	.....	197	3	2,378	6	2,600	6,751
23	Detroit & Mackinac Ry	429	817	817	352	7	1,605	42	1,984	17,117
24	Detroit Terminal R. R	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R	1,141	865	939	43	8	2,050	22	3,672	41,222
26	Detroit & Toledo Shore Line R. R	3,714	.....	.....	.....	.....	3,714	5	6,477	146,853
27	Grand Rapids & Indiana Ry	2,191	2,566	2,710	137	8	4,902	171	6,643	57,385
	Grand Trunk System:									
31	Chicago, Det. & Can. Gd. Tr. Jct. R. R	3,060	3,139	3,651	.....	8	6,207	736	17,613	99,296
33	Cincinnati, Saginaw & Mackinaw R. R	1,915	1,280	1,280	.....	1	3,196	376	4,956	26,445

34	Detroit, Grand Haven & Milwaukee Ry..	4,009	2,830	2,830	.....	3	6,842	575	13,593	99,051
36	Grand Trunk Western Ry.....	7,836	3,626	3,808	116	7	11,585	275	13,978	310,352
37	Michigan Air Line Ry.....	1,114	1,057	1,057	.....	.....	2,171	119	3,468	15,437
38	Pontiac, Oxford & Northern R. R.....	879	1,262	1,262	.....	1	2,142	47	2,771	9,191
39	St. Clair Tunnel Company.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry.....	974	635	635	.....	5	1,614	26	1,935	12,996
41	Kalamazoo, Lake Shore & Chicago Ry.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	Manistee & Northeastern R. R.....	1,106	.....	944	285	7	2,296	39	2,860	16,527
43	Michigan Central R. R.....	3,161	3,368	3,467	261	6	6,796	121	11,918	144,067
61	New York Central Ry.....	1,405	2,022	2,022	38	3	3,447	258	4,858	73,175
67	Pere Marquette Ry.....	1,862	1,649	1,777	109	1	3,622	86	5,375	70,907
69	Wabash Railway.....	4,996	6,051	6,051	.....	.....	9,603	37	17,620	230,076
	Total, Lower Penn., Classes I and II..	2,262	2,119	2,265	138	4	4,523	132	7,076	87,178
	Total, State of Michigan.....	2,016	1,820	2,033	151	3	3,991	124	6,228	74,702

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Averages per mile of road.							
		Passenger service car miles. Item 119.	Passenger service car miles. Item 119. Mich.	Freight revenue Item 120.	Passenger service train revenue. Item 121.	Passenger service train revenue. Item 121. Mich.	Operating revenues. Item 122.	Operating expenses. Item 123.	Net operating revenues. Item 124.
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry	4,338	5,798	$4,869 27	$794 68	$1,062 02	$6,028 74	$4,147 88	$1,880 86
2	Chicago & Northwestern Ry	5,393	7,287	6,728 83	1,039 60	1,404 50	8,419 78	4,560 85	3,858 93
4	Copper Range Railroad Co	3,787	5,339	4,864 63	1,225 86	1,728 27	6,608 01	4,613 27	1,994 74
5	The Duluth, South Shore & Atlantic Ry	7,510	8,838	4,494 48	2,022 38	2,379 93	6,782 26	4,637 58	2,144 68
6	Escanaba & Lake Superior Ry	.....	7.06	.....	.....	130 86	.....	.....	.....
7	Lake Superior & Ishpeming Ry	896	.....	19,638 40	101 25	.....	24,327 64	16,979 88	7,347 76
8	Manistique & Lake Superior R. R	705	1,323	1,616 21	171 86	322 47	2,176 10	1,601 65	574 45
9	Mineral Range R. R	2,220	3,414	8,707 26	351 92	541 03	9,232 28	7,502 70	1,729 58
11	Minneapolis, St. Paul & Sault St. Marie Ry	5,319	5,692	4,443 87	1,132 20	1,211 57	5,752 88	4,463 28	1,289 60
13	Munising, Marquette & Southeastern Ry	2,117	2,920	4,079 61	631 10	882 55	4,945 41	3,300 30	1,645 11
14	Wisconsin & Michigan Ry	599	737	771 46	104 28	128 29	876 89	808 82	68 07
	Total, Upper Peninsula, Classes I and II	4,614	5,918	$5,161 85	$1,063 15	$1,363 47	$6,639 54	$4,409 15	$2,230 40
	Lower Peninsula.								
16	Ann Arbor R. R	7,469	7,516	$6,293 32	$2,188 94	$2,202 74	$8,685 63	$5,886 93	$2,798 70
17	Boyne City, Gaylord & Alpena R. R	1,460	1,983	3,682 15	151 30	205 40	4,242 71	2,879 07	1,362 64
18	Chicago, Kalamazoo & Saginaw R. R	3,215	3,215	1,192 75	1,001 69	1,001 69	4,968 79	2,935 34	2,033 45
19	Cincinnati Northern R. R	4,264	4,264	4,735 20	1,541 52	1,541 52	6,414 09	5,324 26	1,089 82
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	5,897	5,897	2,462 24	1,073 60	1,073 60	3,716 23	7,142 57	3,426 34
21	Delray Connecting R. R	.....	.....	6,946 34	.....	.....	20,409 82	17,044 95	3,364 87
22	Detroit, Bay City & Western R. R	2,856	.....	2,107 84	106 66	.....	3,061 81	1,617 13	1,444 67
23	Detroit & Mackinac Ry	3,904	3,904	2,187 01	1,022 36	1,105 39	3,258 94	2,221 94	1,037 00
24	Detroit Terminal R. R	.....	.....	.....	.....	.....	35,949 73	20,384 64	15,565 09
25	Detroit, Toledo & Ironton R. R	2,401	2,520	4,185 11	510 23	536 69	4,859 5 1	3,637 05	1,222 50

26	Detroit & Toledo Shore Line R. R.	.....	.....	21,557 84	.....	.....	21,751 77	9,149 04	12,602 73
27	Grand Rapids & Indiana Ry	14,103	14,895	5,999 93	3,433 95	4,833 91	9,768 88	7,410 20	2,358 68
	Grand Trunk System:								
31	Chicago, Detroit & Canada Grand Tr. Jct. R. R.	15,913	18,517	12,736 35	4,017 18	4,672 96	20,019 32	15,136 24	4,883 08
33	Cincinnati, Saginaw & Mackinaw R. R.	4,271	4,271	3,416 25	1,180 06	1,180 06	4,800 24	6,540 43	*1,740 19*
34	Detroit, Grand Haven & Milwaukee Ry	13,914	13,914	11,574 03	3,895 13	3,895 13	17,189 40	14,431 46	3,075 06
36	Grand Trunk Western Ry	25,731	27,027	20,753 71	5,800 69	6,092 78	27,103 24	15,446 78	11,656 46
37	Michigan Air Line Ry	2,534	2,534	1,871 28	586 65	586 65	2,503 14	3,071 25	*568 11*
38	Pontiac, Oxford & Northern R. R.	4,615	4,615	1,385 88	1,120 24	1,120 24	2,956 53	2,645 65	310 88
39	St. Clair Tunnel Company	.....	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry	2,019	2,019	1,118 64	421 50	421 50	1,673 91	2,130 87	*456 96*
41	Kalamazoo, Lake Shore & Chicago Ry	.....	.....	.....	.....	.....	.....	.....	.....
42	Manistee & Northeastern R. R.	2,670	2,670	2,147 88	537 23	537 23	2,733 66	2,046 17	657 19
43	Michigan Central Ry	25,988	26,753	13,611 14	7,123 97	7,333 69	22,172 65	15,871 56	6,301 09
61	New York Central Ry	14,183	14,183	4,901 09	2,684 00	2,684 00	7,947 23	7,002 48	944 75
67	Pere Marquette Ry	7,894	8,506	7,164 76	2,461 36	2,652 35	10,032 92	6,951 78	3,081 14
69	Wabash Railway	32,112	32,112	21,098 97	7,396 04	7,396 04	28,263 85	20,471 21	7,792 64
	Total, Lower Peninsula, Classes I and II	12,465	13,324	$8,085 21	$3,279 00	$3,505 15	$12,183 99	$8,718 47	$3,465 52
	Total, State of Michigan	10,454	11,673	$7,336 51	$2,711 60	$3,027 61	$10,764 00	$7,614 81	$3,149 20

Deficit items appear in italic type.

TABLE NO. 11.—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Averages per mile of road.				Averages per train-mile.				
		Ton-miles—revenue freight. Item 125.	Ton-miles—all freight. Item 126.	Passenger-miles—revenue. Item 127.	Passenger-miles—revenue passenger service. Item 127. Mich.	Loaded freight car miles.		Empty freight car miles.		Ton-miles.—revenue freight. Item 135.
						Freight trains. Item 131.	Mixed trains. Item 132.	Freight trains. Item 133.	Mixed trains. Item 134.	
	Upper Peninsula.									
1	Chicago, Milwaukee & St. Paul Ry	946,915	991,628	22,640	30,256	20.39	4.00	15.33	2.47	634.53
2	Chicago & Northwestern Ry	1,087,445	1,126,956	35,212	47,571	21.52	8.07	14.87	3.39	688.89
4	Copper Range Railroad Co	318,470	320,281	46,568	65,654	8.57	4.96	6.42	3.14	258.91
5	The Duluth, South Shore & Atlantic Ry	529,298	547,838	66,583	78,355	14.72	6.60	6.48	7.22	325.41
6	Escanaba & Lake Superior Ry	.....	.....	.....	3,701	.....	.....	.....	.....	.....
7	Lake Superior & Ishpeming Ry	1,496,066	1,496,066	7,968	.....	19.83	.....	18.47	.....	859.31
8	Manistique & Lake Superior R. R	188,997	188,997	4,894	9,183	8.98	3.27	7.18	.97	168.33
9	Mineral Range R. R	728,314	735,292	12,621	19,403	9.70	4.91	8.06	3.10	339.31
11	Minneapolis, St. Paul & S. Ste. Marie Ry	650,951	No record	39,892	42,688	19.12	13.31	8.28	11.31	391.80
13	Munising, Marquette & Southeastern Ry	383,127	383,127	22,248	31,113	13.66	5.52	9.68	3.52	265.47
14	Wisconsin & Michigan Ry	59,661	61,091	3,229	3,972	5.80	.....	3.26	.....	106.62
	Total, Up. Penn., Classes I and II	678,964	698,379	35,657	45,730	16.74	6.37	10.34	3.79	455.86
	Lower Peninsula.									
16	Ann Arbor R. R	1,381,565	1,446,549	94,340	94,935	26.21	.....	7.68	.....	708.02
17	Boyne City, Gaylord & Alpena R. R	225,118	225,118	113,500	154,248	19.61	23.91	15.03	15.33	117.71
18	Chicago, Kalamazoo & Saginaw R. R	57,004	57,054	35,765	35,765	6.44	.....	2.19	.....	92.51
19	Cincinnati Northern R. R	816,413	827,931	68,512	68,512	23.90	.....	12.45	.....	480.11
20	Cleve., Cin., Chicago & St. Louis Ry	442,850	454,015	18,479	18,479	21.79	.....	8.44	.....	187.25
21	Delray Connecting R. R	629,160	.....	.....	.....	16.05	.....	16.29	.....	996.33
22	Detroit, Bay City & Western R. R	87,724	88,159	32,532	.....	4.90	.34	2.54	.27	89.34
23	Detroit & Mackinac Ry	276,349	276,349	35,163	35,163	23.75	3.88	10.35	1.98	353.93
24	Detroit Terminal R. R	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R	754,029	807,635	19,570	19,973	23.57	1.75	11.42	1.28	636.65

26	Detroit & Toledo Shore Line R. R.	3,512,487	3,512,487	.....	.....	24.82	.....	13.71	.....	945.73
27	Grand Rapids & Indiana Ry	832,908	915,291	147,311	155,575	18.43	2.47	6.74	1.34	357.82
	Grand Trunk System:									
31	Chicago, Det. & Can. Gd. Tr. Jct. R. R.	1,530,402	1,530,402	184,435	214,542	22.95	.....	8.50	.....	500.18
33	Cincinnati, Saginaw & Mackinaw R. R.	272,140	272,140	49,944	49,944	9.66	.....	3.15	.....	142.10
34	Detroit, Grand Haven & Milwaukee Ry.	1,235,088	1,235,088	168,592	168,592	18.07	.....	5.64	.....	308.06
36	Grand Trunk Western Ry	3,548,593	3,548,593	243,007	255,244	26.05	3.11	12.46	.38	446.05
37	Michigan Air Line Ry	157,643	157,643	22,398	22,398	9.22	.....	3.65	.....	141.51
38	Pontiac, Oxford & Northern R. R.	55,985	55,985	46,583	46,583	6.67	.....	2.80	.....	63.72
39	St. Clair Tunnel Company	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry	102,563	102,563	15,613	15,613	8.68	.....	2.85	.....	105.37
41	Kalamazoo, Lake Shore & Chicago Ry	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	Manistee & Northeastern R. R.	138,000	141,534	18,646	18,646	7.68	1.16	5.73	.52	99.17
43	Michigan Central R. R.	1,884,024	1,992,396	249,761	257,114	30.90	8.25	12.79	1.95	550.51
61	New York Central Ry	472,445	.....	117,933	117,933	34.17	9.72	16.50	2.13	327.35
67	Pere Marquette Ry	1,107,020	1,160,090	96,818	104,330	27.39	2.76	9.46	1.09	561.55
69	Wabash Railway	3,593,799	3,752,779	279,688	279,688	34.51	.....	10.51	.....	703.66
	Total Low. Penn,. Classes I and II.	1,166,891	1,215,152	126,120	134,812	26.43	5.88	10.59	2.27	486.07
	Total, State of Michigan	1,041,928	1,082,801	102,951	114,949	24.83	6.04	10.55	2.67	480.76

TABLE NO. 11—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN—Continued.

Number.	Operating railroad.	Averages per train-mile.								
		Ton-miles all freight. Item 136.	Passenger train car-miles.		Revenue Passenger-miles. Item 139.	Freight revenue. Item 140.	Passenger service train revenue. Item 141.	Operating revenues. Item 142.	Operating expenses. Item 143.	Net operating revenues. Item 144.
			Passenger trains Item 137.	Mixed trains. Item 138.						
	Upper Peninsula.									
1	Chicago, Milwaukee & St. Paul Ry	664.75	4.02	1.74	19.33	$3 26	$0 68	$2 41	$1 66	$0 75
2	Chicago & North Western Ry	713.92	5.44	1.60	31.16	4 26	92	3 35	1 81	1 54
4	Copper Range Railroad Co	260.39	2.88	.90	32.10	3 95	85	2 66	1 86	80
5	The Duluth, South Shore & Atlantic Ry	336.80	4.80	2.05	42.07	2 76	1 28	2 13	1 46	67
6	Escanaba & Lake Superior Ry	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	Lake Superior & Ishpeming Ry	859 31	2.30	.....	20.45	11 28	26	11 42	7 97	3 45
8	Manistique & Lake Superior R. R.	168.33	.....	2.00	13.87	1 44	49	1 94	1 43	51
9	Mineral Range R. R.	342.57	2.69	1.52	13.68	4 05	38	3 25	2 64	61
11	Minneapolis, St. Paul & Sault Ste. Marie Ry.	No record	5.01	1.93	35.69	2 67	1 01	2 14	1 66	48
13	Munising, Marquette & Southern Ry	265.47	2.70	1.37	18.66	2 83	53	2 74	1 83	91
14	Wisconsin & Michigan Ry	109.18	1.	.....	5.39	1 38	19	76	70	06
	Total, Upper Peninsula, Classes I and II	468.90	4.50	1.65	31.23	$3 47	$0 93	$2 71	$1 80	$0 91
	Lower Peninsula.									
16	Ann Arbor R. R.	741.32	2.97	.....	37.60	$3 23	$0 87	$1 94	$1 32	$0 63
17	Boyne City, Gaylord & Alpena R. R.	117.71	1.33	1.00	11.43	2 99	1 52	2 51	1 69	82
18	Chicago, Kalamazoo & Saginaw R. R.	92.59	2.40	.....	26.71	1 94	75	2 54	1 50	1 04
19	Cincinnati, Northern R. R.	486.88	3.18	.....	51.19	2.78	1 15	2 11	1 75	36
20	Cleveland, Cincinnati, Chicago & St. L. Ry.	191.97	3.53	.....	11.08	1 04	64	92	1 75	85
21	Delray Connecting R. R.	996.33	.....	.....	.....	11 00	.....	32 32	26 99	5 33
22	Detroit, Bay City & Western R. R.	89.78	1.76	2.00	20.45	2 14	06	1 28	67	61
23	Detroit & Mackinac Ry	353.93	4.12	1.50	30.07	2 80	87	2 02	1 38	64
24	Detroit Terminal R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R.	665.10	2.75	.....	21.54	3 53	56	2 37	1 77	.60

26	Detroit & Toledo Shore Line R. R.	945.73	.....	.....	.....	5 80	.....	5 85	3 12	2 73
27	Grand Rapids & Indiana Ry.	393.21	5.40	1.64	53.98	2 59	1 27	1 99	1 51	48
	Grand Trunk System:									
31	Chicago, Detroit & Can. Grand Tr. Jct. R. R.	500.18	5.04	.....	58.74	4 16	1 28	3 23	2 44	79
33	Cincinnati, Saginaw & Mackinaw R. R.	142.10	3.33	.....	39.02	1 78	92	1 50	2 05	55
34	Detroit, Grand Haven & Milwaukee Ry.	308.06	4.90	.....	59.56	2 89	1 38	2 51	2 11	40
36	Grand Trunk Western Ry.	446.05	7.02	1.97	64.93	2 61	1 55	2 34	1 33	1 01
37	Michigan Air Line Ry.	141.51	2.40	.....	21.20	1 68	56	1 15	1 41	26
38	Pontiac, Oxford & Northern R. R.	63.72	3.65	.....	36.90	1 58	89	1 38	1 24	14
39	St. Clair Tunnel Company	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry.	105.37	3.12	.....	24.58	1 22	66	1 04	1 32	28
41	Kalamazoo & Lake Shore & Chicago Ry.	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	Manistee & Northeastern R. R.	101.70	2.29	1.68	15.00	1 54	43	1 18	89	28
43	Michigan Central R. R.	582.17	7.48	3.09	68.83	3 98	1 96	3 26	2 34	93
61	New York Central Ry.	.....	6.98	1.64	57.21	5 40	1 30	2 31	2 03	28
67	Pere Marquette Ry.	588.47	4.69	1.41	55.06	3.61	1.40	2.77	1 92	85
69	Wabash Railway	744.54	5.31	.....	46.22	4 22	1 22	2 94	2 13	81
	Total, Lower Peninsula, Classes I and II	506.18	5.74	2.07	55.88	$3 37	$1 45	$2 69	$1 93	$0 77
	Total State of Michigan	499.62	5.58	1.94	52.22	$3 39	$1 38	$2 70	$1 91	$0 79

TABLE NO. 11—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN—Continued.

Number.	Operating railroad.	Averages per locomotive mile.							
		Train-miles—freight trains. Item 151.	Car-miles—freight trains. Item 152.	Train-miles—passenger trains. Item 153.	Car-miles—passenger trains. Item 154.	Train-miles—Mixed trains. Item 155.	Car-miles—Mixed trains. Item 156.	Train-miles—special trains. Item 157.	Car-miles—Special trains. Item 158.
	Upper Peninsula.								
1	Chicago, Milwaukee & St. Paul Ry.	.72	26.34	1.00	4.01	.96	7.92	1.00	22.67
2	Chicago Northwestern	.94	35.12	.99	5.37	.99	13.00	.....	.....
4	Copper Range Railroad	.99	15.90	.90	2.60	1.00	9.72	.68	20.91
5	The Duluth, South Shore & Atlantic Ry.	.91	20.17	.96	4.62	1.00	15.86	.89	11.93
6	Escanaba & Lake Superior Ry.	.....	.....	.....	.....	.....	.....	.....	.....
	Lake Superior & Ishpeming Ry.	1.00	39.37	1.00	2.30	.....	.....	.....	.....
8	Manistique & Lake Superior R. R.	1.00	17.16	.....	.....	1.00	6.24	1.00	2.00
9	Mineral Range R. R.	.89	16.40	.97	2.62	1.00	9.51	.94	10.50
11	Minneapolis, St. Paul & Sault Ste. Marie Ry.	1.00	28.29	1.00	4.99	1.00	26.49	1.00	10.15
13	Munising, Marquette & Southeastern Ry.	1.00	24.36	1.00	2.70	1.00	10.40	1.00	2.84
14	Wisconsin & Michigan Ry.	1.	10.35	1.	1.	.....	.....	.....	.....
	Total. Upper Peninsula, Classes I and II.	.91	25.46	.97	4.39	.99	11.80	.92	13.16
	Lower Peninsula.								
16	Ann Arbor R. R.	.96	33.35	.97	3.94	.....	.....	1.00	8.14
17	Boyne City, Gaylord & Alpena R. R.	1.00	35.45	1.00	2.00	1.00	40.24	.....	.....
18	Chicago, Kalamazoo & Saginaw R. R.	.99	9.56	1.00	2.40	.....	.....	1.00	7.40
19	Cincinnati, Northern R. R.	.92	34.18	1.00	3.18	.....	.....	1.00	27.60
20	Cleveland, Cincinnati, Chicago & St. Louis Ry.	.94	29.25	.99	3.51	.....	.....	.....	.....
21	Delray Connecting R. R.	.92	30.80	.....	.....	.....	.....	.....	.....
22	Detroit, Bay City & Western R. R.	1.00	8.45	1.00	1.76	1.00	2.62	1.00	.00
23	Detroit & Mackinac Ry.	1.01	35.38	.97	4.00	1.00	5.86	1.00	2.73
24	Detroit Terminal R. R.	.....	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R.	.66	23.62	.99	2.72	.81	3.52	.63	9.10

26	Detroit & Toledo Shore Line R. R.	.99	39.23	.....	.....	.....	.....	.....	.....
27	Grand Rapids & Indiana Ry.	.88	22.75	.97	5.25	.98	5.44	.87	6.51
	Grand Trunk System:								
31	Chicago, Detroit & Canada Grand Tr. Jct. R. R.	.97	31.62	.97	4.91	.....	.....	1.00	13.01
33	Cincinnati, Saginaw & Mackinaw R. R.	.92	12.66	.99	3.29	.....	.....	1.00	11.50
34	Detroit, Grand Haven & Milwaukee Ry.	.94	23.21	.98	4.81	.....	.....	.93	17.20
36	Grand Trunk Western Ry.	.97	38.17	.99	6.96	1.00	5.46	1.00	7.49
37	Michigan Air Line Ry.	.75	10.45	.99	2.38	.....	.....	1.00	3.81
38	Pontiac, Oxford & Northern R. R.	.87	9.06	.96	3.52	.....	.....	1.00	8.04
39	St. Clair Tunnel Company	.....	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry.	.92	11.53	.88	3.08	.....	.....	.59	5.10
41	Kalamazoo, Lake Shore & Chicago Ry.	.....	.....	.....	.....	.....	.....	.....	.....
42	Manistee & Northeastern R. R.	1.00	14.50	1.00	2.39	1.00	3.35	1.00	8.00
43	Michigan Central Ry.	.84	37.33	.95	7.12	1.02	13.65	.88	11.83
61	New York Central R. R.	.93	47.85	.95	6.64	.71	9.83	.70	14.03
67	Pere Marquette Ry.	.91	34.51	.99	4.63	.98	5.15	1.00	12.77
69	Wabash Railway	.98	45.30	.98	5.21	.....	.....	.....	.....
	Total, Lower Peninsula, Classes I and II	.90	34.24	.99	5.68	.99	10.02	.89	9.57
	Total State of Michigan	.90	32.80	.99	5.51	.99	10.58	.90	10.14

TABLE NO. 11—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Averages per loaded freight car-mile			Averages per car-mile—passenger		Miscellaneous averages.	
		Ton-miles.		Freight revenue. Item 163.	Passenger-miles—revenue Item 171.	Passenger revenue. Item 172.	Miles hauled.	
		Revenue freight. Item 161.	All freight. Item 162.				Revenue—freight. Item 181.	Non-revenue freight. Item 182.
	Upper Peninsula.							
1	Chicago, Milwaukee & St. Paul Ry	34.11	35.72	$.17541	7.51	$.18882	122.35	219.64
2	Chicago & Northwestern Ry	34.71	35.98	.21483	10.36	.22189	34.55	49.39
4	Copper Range Railroad Co	32.41	32.60	.00050	16.50	.38799	17.31	13.05
5	The Duluth, South Shore & Atlantic Ry	22.37	23.15	.18992	12.37	.32509	73.49	43.73
6	Escanaba & Lake Superior. Ry	.....	.....	.....	.....	.....	.....	.....
7	Lake Superior & Ishpeming Ry	43.34	43.34	.56890	8.89	.10585	15.58	.....
8	Manistique & Lake Superior R. R	23.42	23.42	.20028	6.94	.20783	35.62	.....
9	Mineral Range R. R	36.94	37.29	.44162	7.08	.16150	13.00	11.40
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	20.84	No record	.14230	11.67	.23783	55.53	No record
13	Munising, Marquette & Southeastern Ry	29.71	29.71	.31631	10.58	.24459	31.41	.....
14	Wisconsin & Michigan Ry	18.38	18.82	.23760	5.38	.13664	38.97	30.71
	Total, Upper Peninsula, Classes I and II	29.54	30.38	$.22457	12.88	$.30778	37.50	54.00
	Lower Peninsula.							
16	Ann Arbor R. R	27.01	28.28	$.12302	17.18	$.33700	166.74	91.17
17	Boyne City, Gaylord & Alpena R. R	8.58	8.58	.14039	7.77	.22267	33.38	.....
18	Chicago, Kalamazoo & Saginaw R. R	14.35	14.36	.30036	19.57	.46283	25.36	30.06
19	Cincinnati, Northern R. R	20.09	20.37	.11650	21.78	.42766	32.67	21.80
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	8.58	8.81	.04777	4.56	.09143	32.24	28.30
21	Delray Connecting R. R	62.07	62.07	.68533	.....	.....	11.16	.....
22	Detroit, Bay City & Western R. R	22.40	22.51	.53826	11.41	.29738	26.20	62.86
23	Detroit & Mackinac Ry	23.92	23.92	.18930	13.19	.31950	97.01	97.01
24	Detroit Terminal R. R	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R	27.96	29.95	.15520	15.60	.28006	101.53	73.82

26	Detroit & Toledo Shore Line R. R.	38.10	38.10	.23385	.....	.....	57.19	.....
27	Grand Rapids & Indiana Ry.	20.79	22.84	.14977	14.23	.28118	91.83	109.54
	Grand Trunk System:							
31	Chicago, Detroit & Canada Grand Tr. Jct. R. R.	21.79	21.79	.18137	18.50	.35706	35.27	.....
33	Cincinnati, Saginaw & Mackinaw R. R.	14.72	14.72	.18474	17.10	.31497	40.27	.....
34	Detroit, Grand Haven & Milwaukee Ry.	17.05	17.05	.15979	20.11	.37798	63.80	.....
36	Grand Trunk Western Ry.	17.35	17.35	.10146	15.89	.31417	153.53	.....
37	Michigan Air Line Ry.	15.35	15.35	.18226	19.28	.36271	30.74	.....
38	Pontiac, Oxford & Northern R. R.	9.56	9.56	.23654	22.36	.42465	28.88	.....
39	St. Clair, Tunnel Company	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry.	12.14	12.14	.14004	21.32	.39599	64.77	.....
41	Kalamazoo, Lake Shore & Chicago Ry.	.....	.....	.....	.....	.....	.....	.....
42	Manistee & Northeastern R. R.	15.62	16.06	.24312	6.99	.17061	42.09	22.27
43	Michigan Central R. R.	18.87	19.95	.13632	15.85	.33491	121.04	72.13
61	New York Central Ry.	9.76	.....	.10128	13.61	.13376	56.29	.....
67	Pere Marquette Ry.	21.58	22.61	.13965	18.71	.36980	186.73	89.55
69	Wabash Railway	20.84	21.76	.12235	12.67	.26354	70.16	85.56
	Total, Lower Peninsula, Classes I and II	19.25	20.05	$.13341	15.95	$.32357	106.17	81.02
	Total State of Michigan	20.44	21.25	$.14394	15.62	$.32187	81.32	76.37

TABLE NO. 11—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN—Continued.

Number.	Operating railroad.	Miscellaneous averages.						
		Miles hauled—all freight. Item 183.	Miles carried—revenue passengers. Item 184.	Revenue per ton of freight. Item 185.	Revenue per ton-mile of freight. Item 186.	Revenue per passenger. Item 187.	Revenue per passenger-mile. Item 188.	Operating ratio %. Item 189.
	Upper Peninsula.							
1	Chicago, Milwaukee & St. Paul Ry	124.85	32.66	$.62916	$.00514	$.82117	$.02515	68.80
2	Chicago and North Western Ry	34.92	28.77	.21381	.00619	.61634	.02142	54.17
4	Copper Range Railroad Co	17.27	12.60	.26444	.01527	.29164	.02351	69.81
5	Duluth, South Shore & Atlantic Ry	71.83	44.48	.62400	.00849	1.16915	.02628	68.38
6	Escanaba & Lake Superior Ry	.....	.....	.....	.....	.....	.....	.....
7	Lake Superior & Ishpeming Ry	15.58	13.70	.20454	.01313	.16304	.01190	69.80
8	Manistique & Lake Superior R. R.	35.62	23.96	.30460	.00855	.71767	.02995	73.59
9	Mineral Range R. R.	12.98	8.24	.15542	.01196	.18783	.02280	81.27
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	.....	40.63	.37905	.00683	.82778	.02037	77.58
13	Munising, Marquette & Southeastern Ry	31.41	14.15	.33446	.01065	.32708	.02312	66.73
14	Wisconsin & Michigan Ry	38.72	18.65	.50387	.01293	.42305	.02537	92.24
	Total, Upper Peninsula, Classes I and II	37.83	28.52	$.28513	$.00760	$.68153	$.02390	66.41
	Lower Peninsula.							
16	Ann Arbor R. R	160.75	27.28	$.75952	$.00455	$.53509	$.01961	*67.78
17	Boyne City, Gaylord & Alpena R. R	33.38	13.86	.54582	.01636	.41380	.02985	67.86
18	Chicago, Kalamazoo & Saginaw R. R	25.37	15.66	.53072	.02092	.37035	.02365	59.08
19	Cincinnati Northern R. R	32.45	16.73	.18950	.00580	.32848	.01964	83.01
20	Cleveland, Cincinnati, Chicago & St. Louis Ry	32.13	16.42	.17926	.00556	.32955	.02007	192.20
21	Delray Connecting R. R	11.16	.....	.12331	.01104	.....	.....	83.51
22	Detroit, Bay City & Western R. R	26.20	16.53	.65528	.02400	.43077	.02600	52.35
23	Detroit & Mackinac Ry	97.01	374.79	.76773	.0079140	.90821	.02423	68.18
24	Detroit Terminal R. R	.....	.....	.....	.....	.....	.....	56.70
25	Detroit, Toledo & Ironton R. R	99.06	22.08	.56353	.00555	.39636	.01795	74.84

26	Detroit & Toledo Shore Line R. R.	41.31	.....	.25354	.00614	.....	.....	42.06
27	Grand Rapids & Indiana Ry.	93.11	36.05	.66148	.00704	.71214	.01976	75.86
	Grand Trunk System:							
31	Chicago, Detroit & Canada Grand Tr. Jct. R. R.	35.27	41.70	.29350	.00832	.80472	.01929	75.61
33	Cincinnati, Saginaw & Mackinaw R. R.	40.27	24.43	.50554	.01255	.44983	.01841	136.25
34	Detroit, Grand Haven & Milwaukee Ry.	63.80	40.26	.59791	.00937	.75652	.01879	82.41
36	Grand Trunk Western Ry.	153.53	52.22	.89791	.00585	1.03200	.01976	56.99
37	Michigan Air Line Ry.	30.74	19.28	.36495	.01187	.36268	.01880	122.69
38	Pontiac, Oxford & Northern R. R.	28.88	25.70	.71499	.02475	.48796	.01898	89.49
39	St. Clair Tunnel Company	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw, & Muskegon Ry.	64.77	24.12	.74682	.01153	.44790	.01857	127.30
41	Kalamazoo, Lake Shore & Chicago Ry.	.....	.....	.....	.....	.....	.....	.....
42	Manistee & Northeastern R. R.	41.18	21.34	.65519	.01556	.52141	.24434	75.69
43	Michigan Central R. R.	116.73	57.14	.87444	.00722	1.20697	.02112	71.58
61	New York Central Ry.	.....	23.22	.58395	.01014	.42065	.01812	88.11
67	Pere Marquette Ry.	177.90	41.72	1.20852	.00647	.82454	.01976	69.29
69	Wabash Railway	70.69	58.63	.41187	.00587	1.21997	.02079	72.43
	Total, Lower Peninsula, Classes I and II	104.88	41.41	$.73564	$.00693	$.84013	$.02029	71.56
	Total State of Michigan	81.12	39.82	$.57261	$.00704	$.82049	$.02061	70.74

*Rail (70.53 rail and water).

TABLE NO. 11X—STATISTICS OF RAIL LINE OPERATIONS, CLASS III, WITHIN THE STATE OF MICHIGAN—Continued.

Number.	Operating railroad.	Average mileage of road operated.		Train-miles.					
		Passenger service. Item 1-Mich.	All service. Item 1.	Freight. Item 13.	Passenger. Item 14.	Mixed. Item 15.	Special. Item 16.	Total transportation service. Item 17.	Work service. Item 18.
		1	2	3	4	5	6	7	8
71	Blaney & Southern Ry.		8.00						
72	Garden Bay Railway								
73	Houghton Chassell & Southwestern Ry.		11.00	4,300				4,300	
74	Keweenaw Central R. R.	30.10	30.10	71	3,722	7,564		11,357	32
75	Ontonagon R. R.		11.86			5,173		5,173	
78	Arcadia & Betsey River Ry.	21.	21.			13,104		13,104	
79	Delray Terminal R. R.								
80	Detroit & Charlevoix R. R.	35.55	35.55	28,908	300	23,056		52,264	1,142
81	Detroit & Huron Ry.		18.59	191	76	23,788		24,055	138
82	East Jordan & Southern R. R.	18.60	18.60	14,404		23,213	38	37,655	4,650
83	Empire & Southeastern R. R.	11.35	11.35			10,555	36	10,792	
84	Erie & Michigan Ry & Navigation Co.		11.00						
85	Ludington & Northern Ry.	6.00	11.25		18,819			18,819	
86	Michigan East & West Ry.	72.00	72.00		65,021	28,998		94,019	3,946
89	Traverse City, Leelanau & Manistique Ry.	29.81	29.81	12,006	25,352		58	37,416	

TABLE NO. 11-X—STATISTICS OF RAIL LINE OPERATIONS, CLASS III. WITHIN THE STATE OF MICHIGAN—Continued.

Number.	Operating railroad.	Locomotive-miles.							
		Freight. Item 24.	Passenger. Item 28.	Mixed train. Item 32.	Special. Item 36.	Train Switching. Item 37.	Yard switching. Item 40.	Total transportation service. Item 41.	Work service. Item 42.
		10	11	12	13	14	15	16	17
71	Blaney & Southern Ry.	...	...	...	...	...	...	...	...
72	Garden Bay Ry.	...	...	...	...	...	...	...	...
73	Houghton, Chassell & Southwestern Ry.	4,300	...	...	...	...	...	4,300	...
74	Keweenaw Central R. R.	408	3,657	7,686	...	...	...	11,751	74
75	Ontonagon R. R.	...	...	5,173	...	...	...	5,173	...
78	Arcadia & Betsey River Ry.	...	...	...	...	...	...	13,104	...
79	Delray Terminal R. R.	...	...	...	...	...	...	...	...
80	Detroit & Charlevoix R. R.	28,908	300	23,056	...	...	...	52,264	1,142
81	Detroit & Huron Ry.	248	76	23,959	...	9,092	...	33,375	138
82	East Jordan & Southern R. R.	14,404	...	23,213	38	17,477	...	55,132	4,650
83	Empire & Southeastern R. R.	...	...	10,555	36	...	...	10,792	...
85	Ludington & Northern Ry.	...	18,819	...	...	...	34,574	53,393	...
86	Michigan East & West Ry.	...	65,021	28,998	...	4,844	20,715	119,578	3,946
89	Traverse City, Leelanau & Manistique Ry.	12,006	25,352	...	58	...	...	37,416	...

TABLE NO. 11 X—STATISTICS OF RAIL LINE OPERATIONS, CLASS III, WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Car-miles.								
		Freight train.				Passenger train. Item 60.	Mixed train.			Special train. Item 76.
		—loaded. Item 51.	—empty. Item 52.	—Caboose. Item 54.	—Total. Item 55.		—Freight loaded. Item 61.	—Freight empty. Item 62.	—Passenger. Item 64.	
		19	20	21	22	23	24	25	26	27
71	Blaney & Southern Ry.	...	...	...	...	...	...	...	...	...
72	Garden Bay Ry.	...	...	...	...	...	...	...	...	...
73	Houghton Chassell & Southwestern Ry.	15,500	15,500	31,000	31,000	...	...	...	...	...
74	Keweenaw Central R. R.	880	599	...	1,479	14,700	13,749	10,431	14,651	...
75	Ontonagon R. R.	...	...	...	...	...	29,779	21,361	5,173	...
78	Arcadia & Betsey River Ry.	...	...	...	...	...	16,015	12,755	13,104	...
80	Detroit & Charlevoix R. R.	178,375	173,084	28,936	380,395	852	41,855	9,255	46,712	...
81	Detroit & Huron Ry.	19	1,550	161	1,730	114	25,554	8,155	23,940	...
82	East Jordan & Southern R. R.	108,862	105,505	14,404	228,771	...	69,989	32,843	23,213	38
83	Empire & Southeastern R. R.	100	100	...	200	...	...	...	10,555	36
85	Ludington & Northern Ry.	...	...	...	...	47,047	...	...	...	...
86	Michigan East & West Railway	...	...	...	...	128,312	126,430	38,975	25,002	...
89	Traverse City, Leelanau & Manistique Ry.	42,385	18,007	12,006	72,398	65,972	...	...	...	116

TABLE NO. 11X—STATISTICS OF RAIL LINE OPERATIONS, CLASS III, WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Total transportation service car-miles. Item 77.	Work service Car-miles. Item 78.	Freight service.					
				Tons of revenue freight.					Tons of non-revenue freight. Item 82.
				Interline outbound.	Interline inbound.	Transit.	Local.	Total. Item 81.	
		28	29	31	32	33	34	35	36
71	Blaney & Southern Ry								
72	Garden Bay Ry								
73	Houghton Chassell & Southwestern Ry						22,365	22,365	650
74	Keweenaw Central R. R.	55,010	470	573	11,708		2,330	14,611	422
75	Ontonagon R. R.	56,313		35,080			2,266	37,346	
78	Arcadia & Betsey River Ry	41,874		7,855	3,279		5,626	16,760	
80	Detroit & Charlevoix R. R.	479,069	1,154					223,795	6,540
81	Detroit & Huron Ry	59,493	639					8,669	
82	East Jordan & Southern R. R.	126,083	18,600	52,046	71,572		57,285	180,903	
83	Empire & Southeastern R. R.	10,791		4,500	1,150		20,100	25,750	
85	Ludington & Northern Ry	47,047							
86	Michigan East & West Ry	318,719	12,180	135,997	25,869		2,394	164,260	
89	Traverse City, Leelenau & Manistique Ry	138,486		13,416	6,840		3,299	23,555	

TABLE NO. 11X—STATISTICS OF RAIL LINE OPERATIONS, CLASS III, WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Freight service.						Passenger service.	
		Ton-miles of revenue freight.					Ton-miles of non-revenue freight. Item 85.	Revenue passengers carried.	
		Interline outbound. 37	Interline inbound. 38	Transit. 39	Local. 40	Total. Item 84. 41	42	Interline outbound. 44	Interline inbound. 45
71	Blaney & Southern Ry.	...	...	...	...	...	...	...	...
72	Garden Bay Ry.	...	...	...	...	...	...	...	...
73	Houghton, Chassell & Southwestern Ry.	...	...	...	...	...	...	...	...
74	Keweenaw Central R. R.	9,659	131,595	...	21,728	162,982	4,638	...	...
75	Ontonagon R. R.	341,239	...	...	27,986	369,225	None	...	...
78	Arcadia & Betsey River Ry.	117,825	49,185	...	84,390	251,400	...	...	...
80	Detroit & Charlevoix R. R.	...	...	...	...	4,083,572	246,686	...	...
81	Detroit & Huron Ry.	...	...	...	...	160,323	...	...	...
82	East Jordan & Southern R. R.	763,840	620,792	...	944,350	2,328,982	...	3,375	2,516
83	Empire & Southeastern R. R.	51,075	13,052	...	61,135	125,652	...	1,881	1,539
85	Ludington & Northern Ry.	...	...	...	...	...	...	...	...
86	Michigan East & West Ry.	1,906,862	796,736	...	44,600	2,748,198	...	6,373	3,979
89	Traverse City, Leelanau & Manistique Ry.	272,684	162,167	...	71,983	506,834	...	2,015	1,599

TABLE NO. 11X.—STATISTICS OF RAIL LINE OPERATIONS, CLASS III, WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Passenger service.							
		Revenue passengers carried.			Revenue passenger miles.				
		Transit.	Local.	Total. Item 91.	Interline outbound.	Interline inbound.	Transit.	Local.	Total. Item 92.
		46	47	48	49	50	51	52	53
71	Blaney & Southern Ry								
72	Garden Bay Ry								
73	Houghton, Chassell & Southwestern Ry								
74	Keweenaw Central R. R.		35,455	35,455				448,151	448,151
75	Ontonagon R. R.		864	864				7,552	7,552
78	Arcadia & Betsey River Ry.		6,199	6,199				71,085	71,085
80	Detroit & Charlevoix R. R.			15,752					306,592
81	Detroit & Huron Ry			15,196					214,445
82	East Jordan & Southern R. R.		10,704	16,595	62,775	46,798		127,711	237,284
83	Empire & Southeastern R. R.		422	3,842	21,349	17,467		4,406	43,222
85	Ludington & Northern Ry		145,012	145,012				454,327	454,327
86	Michigan East & West Ry		23,644	33,996	167,323	86,312		336,508	590,143
89	Traverse City, Leelanau & Manistique Ry		31,475	35,089	56,005	39,954		459,620	555,579

TABLE NO. 11X—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Continued.

Number.	Operating railroad.	Freight revenue. Item 101.	Passenger revenue. Item 102.	Passenger service train revenue. Item 103.	Operating revenue. Item 104.	Operating expenses. Item 105.	Net operating revenue. Item 106.	Averages per mile of road. Freight revenue. Item 120.	Averages per mile of road. Passenger service train revenue. Item 121. Mich.
	Upper Peninsula.								
71	Blaney & Southern Ry	$9,783 82	$475 30	$475 30	$10,259 12	$12,535 09	*$2,275 97*	$1,221 00	.....
72	Garden Bay Railway	.....	.....	.....	.....	.....	.....	.....	.....
73	Houghton, Chassell & Southwestern Ry	10,955 65	240 90	240 90	11,836 55	11,836 55	.....	999 00	.....
74	Keweenaw Central R. R.	10,023 46	9,401 00	9,905 02	19,928 48	28,104 86	*8,051 23*	333 00	$329 00
75	Ontonagon R. R.	8,403 16	240 00	495 18	8,898 34	8,598 98	299 36	708 00	.....
	Lower Peninsula.								
78	Arcadia & Betsey River Ry	12,676 67	2,132 57	3,367 91	16,080 58	15,968 15	530 55	607 50	.....
79	Delray Terminal R. R.	.....	.....	.....	17,190 00	37,655 78	*20,465 78*	.....	.....
80	Detroit & Charlevoix R. R.	41,190 73	8,895 08	10,814 45	52,022 18	75,532 71	*23,193 07*	1,158 00	304 50
81	Detroit & Huron Ry.	5,873 03	6,041 26	7,940 88	13,966 48	28,039 07	*14,072 59*	315 80	426 50
82	East Jordan & Southern R. R.	82,530 61	7,255 46	8,871 90	91,402 51	62,527 26	28,875 25	4,440 00	477 00
83	Empire & Southeastern R. R.	4,768 53	1,296 65	2,414 49	9,481 88	9,806 98	*325 10*	420 00	212 00
84	Erie & Michigan Ry. & Navigation Co.	45,115 60	803 60	1,043 31	56,336 51	38,072 64	18,263 87	4,110 00	.....
85	Ludington & Northern Ry.	.....	6,541 79	7,085 85	38,648 18	38,675 55	*27 37*	.....	1,179 00
86	Michigan East & West Ry	58,118 43	13,609 85	17,361 34	77,620 11	91,596 62	*13,976 51*	808 50	241 40
89	Traverse City, Leelanau & Manistique Ry	18,103 64	17,006 55	20,038 70	38,409 85	30,792 68	7,617 17	607 30	671 00
87	Port Huron Southern R. R.	.....	.....	.....	32,865 50	20,097 58	12,767 92	.....	.....
90	Wyandotte Southern R. R.	.....	.....	.....	19,710 25	20,006 35	*296 10*	.....	.....
91	Wyandotte Terminal R. R.	.....	.....	.....	79,295 60	81,184 12	*1,888 52*	.....	.....

TABLE NO. 11X—STATISTICS OF RAIL LINE OPERATIONS WITHIN THE STATE OF MICHIGAN.—Concluded.

Number.	Operating railroad.	Averages per mile of road.			Miscellaneous averages.				
		Operating revenues. Item 122.	Operating expenses. Item 123.	Net operating revenues. Item 124.	Revenue per ton of freight. Item 185.	Revenues per ton-mile of freight. Item 186.	Revenue per passenger. Item 187.	Revenue per passenger-mile. Item 188.	Operating ratio %. Item 189.
71	Blaney & Southern Ry.								122.20
72	Garden Bay Ry.								
73	Houghton, Chassell & Southwestern Ry.				$.49000				100.00
74	Keweenaw Central R. R.				.68500	$.06150	$.26500	.02090	140.90
75	Ontonagon R. R.				.22510	.02277	.28800	.03178	96.50
78	Arcadia & Betsey River Ry.				.75700	.05042	.34400	.03000	99.40
79	Delray Terminal R. R.								218.00
80	Detroit & Charlevoix R. R.				.18420	.01008	.56400	.02895	144.60
81	Detroit & Huron Ry.				.68750	.03660	.39800	.02815	200.70
82	East Jordan & Southern R. R.				.45630	.03546	.43750	.03058	68.46
83	Empire & Southeastern R. R.				.18520	.03792	.33760	.03000	103.40
84	Erie & Michigan Ry & Navigation Co.								67.60
85	Ludington & Northern Ry.						.04500	.01440	100.10
86	Michigan East & West Ry.				.37650	.02115	.40900	.02310	117.90
89	Traverse City, Leelanau & Manistique Ry.				.77000	.03578	.48490	.03060	80.00
87	Port Huron Southern R. R.								
90	Wyandotte Southern R. R.								
91	Wyandotte Terminal R. R.								

TABLE NO. 12.—REVENUE FREIGHT ORIGINATING DURING YEAR ON ROAD IN MICHIGAN.

Number.	Railroad.	Products of agriculture.—Tons.								
		Grain. (1)	Flour. (2)	Other mill products. (3)	Hay. (4)	Tobacco. (5)	Cotton. (6)	Fruit and vegetables. (7)	Other products of agriculture. (8)	Total products of agriculture. (9)
	Upper Peninsula, Classes I and II.									
1	Chicago, Milwaukee & St. Paul Ry	1,097	201	235	1,484	1	...	618	738	4,374
2	Chicago & Northwestern Ry	127	515	435	6,191	...	13	14,900	250	22,431
4	Copper Range R. R.	561	1,862	1,000	795	...	...	1,287	...	5,505
5	Duluth, South Shore & Atlantic Ry	275	160	650	13,048	...	...	1,554	...	15,687
6	Escanaba & Lake Superior R. R.	436	728	193	1,211	...	...	361	...	2,929
7	Lake Superior & Ishpeming Ry	10	...	...	...	...	...	39	...	49
8	Manistique & Lake Superior R. R.	...	...	...	...	...	...	...	...	...
9	Mineral Range R. R.	237	148	1,066	346	...	...	2,119	...	3,916
11	Minneapolis, St. Paul & S. S. Marie Ry	...	...	...	...	...	...	...	...	...
13	Munising, Marquette & Southeastern Ry	349	...	...	794	...	...	360	...	1,503
14	Wisconsin & Michigan Ry	...	23	...	202	...	...	873	...	1,098
	Total, Upper Peninsula, Classes I and II	...	...	...	...	...	...	...	...	...
	Lower Peninsula, Classes I and II.									
16	Ann Arbor R. R.	...	...	...	...	...	...	...	...	...
17	Boyne City, Gaylord & Alpena R. R.	228	32	21	319	...	...	1,432	...	2,052
18	Chicago, Kalamazoo & Saginaw Ry	4,299	47	94	3,300	2	...	2,692	95	10,529
19	Cincinnati Northern R. R.	3,598	157	68	6,054	...	...	435	96	10,408
20	Cleve., Cin., Chicago & St. Louis R. R.	2,993	23	...	40	...	...	9,846	142	13,044
21	Delray Connecting R. R.	...	...	...	...	...	...	...	...	...
22	Detroit, Bay City & Western R. R.	2,454	30	...	14,555	...	...	24,533	531	42,103
23	Detroit & Mackinac Ry	4,285	158	43	4,469	...	...	22,319	...	31,274
24	Detroit Terminal R. R.	...	...	...	...	...	...	...	...	...
25	Detroit, Toledo & Ironton R. R.	...	...	...	...	...	...	...	...	...
26	Detroit, Toledo & Shore Line R. R.	...	...	...	...	...	...	...	...	...
27	Grand Rapids & Indiana Ry	20,396	10,093	3,862	8,842	146	...	82,143	239	125,721
	Grand Trunk Railway System:									
31	Chi., Detroit & Can. Gd. Tr. Jct. R. R.	5,712	12	41	5,936	158	40	437	3,744	16,080
33	Cincinnati, Saginaw & Mackinaw R. R.	6,691	74	84	6,051	...	17	2,788	20,289	35,994

34	Detroit, Grand Haven & Milwaukee Ry.	36,433	13,897	6,323	16,028	265	1,736	16,411	12,830	103,923
36	Grand Trunk Western Ry.	37,557	5,018	1,029	38,663	23	13,070	.....	20,840	116,200
37	Michigan Air Line Ry.	6,721	640	176	6,800	108	42	1,117	553	16,157
38	Pontiac, Oxford & Northern R. R.	9,024	787	300	9,912	2	335	14,580	2,086	37,026
39	St. Clair Tunnel Co.	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry.	13,983	82	226	2,512	.....	.....	17,215	3,901	37,919
41	Kalamazoo, Lake Shore & Chicago Ry.	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	Manistee & Northeastern R. R.	3,308	385	953	218	.....	.....	5,194	24,912	34,970
43	Michigan Central R. R.	96,298	30,861	34,843	55,805	868	.....	193,772	32,709	445,156
61	New York Central R. R.	73,499	23,079	7,610	52,239	794	54	32,043	6,282	195,600
67	Pere Marquette R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
69	Wabash Ry.	73,305	4,810	12,614	6,419	268	.....	6,467	1,815	105,698
	Total, Lower Pen. Classes I and II.	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Upper Peninsula Class III. a.									
71	Blaney & Southern Ry.	.....	.....	.....	.....	.....	.....	.....	.....	.....
72	Garden Bay Ry.	.....	.....	.....	.....	.....	.....	.....	.....	.....
73	Houghton, Chassell & Southwestern R. R.	.....	.....	.....	.....	.....	.....	.....	.....	65
74	Keweenaw Central R. R.	.....	.....	.....	.....	.....	.....	.....	.....	160
75	Ontonagon R. R.	.....	.....	.....	.....	.....	.....	.....	.....	286
	Lower Peninsula Class III.									
78	Arcadia & Betsey River Ry.	.....	.....	.....	.....	.....	.....	.....	.....	2,334
79	Delray Terminal R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
80	Detroit & Charlevoix R. R.	.....	.....	.....	.....	.....	.....	.....	.....	2,725
81	Detroit & Huron R. R. (Gd. Trunk)	.....	.....	.....	.....	.....	.....	.....	.....	1,604
82	East Jordan & Southern R. R.	.....	.....	.....	.....	.....	.....	.....	.....	5,927
83	Empire & Southeastern R. R.	.....	.....	.....	.....	.....	.....	.....	.....	750
84	Erie & Michigan Ry. & Navigation Co.	.....	.....	.....	.....	.....	.....	.....	.....	.....
85	Ludington & Northern Ry.	.....	.....	.....	.....	.....	.....	.....	.....	.....
86	Michigan East & West Ry.	.....	.....	.....	.....	.....	.....	.....	.....	10,415
87	Port Huron Southern Ry.	.....	.....	.....	.....	.....	.....	.....	.....	.....
89	Traverse City, Leelanau & Manistique Ry.	.....	.....	.....	.....	.....	.....	.....	.....	12,136
90	Wyandotte Southern R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
91	Wyandotte Terminal R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total, Class III	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Grand Total	.....	.....	.....	.....	.....	.....	.....	.....	.....

a. Only totals for groups are given for Class III roads, and that for entire tonnage carried, so that the tons shown for this class may include that received from connecting carriers.

TABLE NO. 12.—REVENUE FREIGHT ORIGINATING DURING YEAR ON ROAD IN MICHIGAN.—Continued.

Number.	Railroad.	Products of animals.—Tons.								Products of mines.—Tons.	
		Live stock. (10)	Dressed meats. (11)	Other packing house products. (12)	Poultry, game and fish. (13)	Wool. (14)	Hides and leather. (15)	Other products of animals. (16)	Total products of animals. (17)	Anthracite coal. (18)	Bituminous coal. (19)
	Upper Peninsula Classes I and II.										
1	Chicago, Milwaukee & St. Paul Ry	806		57	68	61	98	46	1,136	1,425	32,214
2	Chicago & Northwestern Ry	1,550	44	30	2,670	27	49	721	5,091	16,771	155,458
4	Copper Range R. R.	95	1,104		10		91	37	1,337		
5	Duluth, South Shore & Atlantic Ry	686	12	135	250		3,718		4,801	12,301	48,114
6	Escanaba & Lake Superior R. R.	280	41					25	346		10,647
7	Lake Superior & Ishpeming Ry										
8	Manistique & Lake Superior R. R.	65							65		
9	Mineral Range R. R.	32							32	15,872	321,589
11	Minneapolis, St. Paul & Sault Ste. Marie Ry										
13	Munising, Marquette & Southeastern Ry	179			33		1,423	123	1,758		
14	Wisconsin & Michigan Ry	45							45	2,214	1,550
	Total, Upper Peninsula, Classes I and II										
	Lower Peninsula, Classes I and II										
16	Ann Arbor R. R.										
17	Boyne City, Gaylord & Alpena R. R.	109					5,778	1,662	7,649		82
18	Chicago, Kalamazoo & Saginaw Ry	1,602	15	9	14	18	55	287	2,000		
19	Cincinnati Northern R. R.	1,420		30	9	8	38	369	1,874		
20	Cleveland, Cin., Chicago & St. Louis R. R.	36		22			15		73		46
21	Delray Connecting R. R.										
22	Detroit, Bay City & Western R. R.	2,670		8					2,678		51,179
23	Detroit & Mackinac Ry	7,676	34		230	103	4,969		13,012	1,545	26,665
24	Detroit Terminal R. R.										
25	Detroit, Toledo & Ironton R. R.										

26	Detroit & Toledo Shore Line R. R.										
27	Grand Rapids & Indiana Ry	8,723	42	159	90	8	7,868	5,481	22,371	846	2,737
	Grand Trunk Railway System:										
31	Chicago, Det. & Canada Gd. Trunk Jct. R. R.	2,225	97	284	104	31	369	353	3,463		
33	Cincinnati, Saginaw & Mackinaw R. R.	3,050	242	173	1,053	2	203	169	4,892	45	3,543
34	Detroit, Grand Haven & Milwaukee Ry	25,208	1,259	957	655	354	1,100	1,537	31,070	1,212	5,132
36	Grand Trunk Western Ry	15,826	88	265	154	111	138	467	16,989	423	459
37	Michigan Air Line Ry	5,555	35			27	19		5,936	339	373
38	Pontiac, Oxford & Northern R. R.	8,325	12	182	396	27	66	327	9,335	53	
39	St. Clair Tunnel Co										
40	Toledo, Saginaw & Muskegon Ry	4,371	17	202	303	30	10	1,783	6,716	138	688
41	Kalamazoo, Lake Shore & Chicago Ry										
42	Manistee & Northeastern R. R.	902	12	6	22		1,685	445	3,072		170
43	Michigan Central R. R.	80,855	2,662	8,117	3,836	1,271	8,946	21,258	126,945		258,032
61	New York Central R. R.	52,971	55	3,361	4,105	782	1,596	27,699	90,569	202	1,060
67	Pere Marquette R. R.										
69	Wabash Railway	17,738	9,826	9,129	1,703	540	2,244	3,165	44,345		116,417
	Total, Lower Peninsula, Classes I and II										
	Upper Peninsula, Class III.										
71	Blaney & Southern Ry										
72	Garden Bay Ry										
73	Houghton, Chassell & Southwestern R. R.										
74	Keweenaw Central R. R.										
75	Ontonagon R. R.								31		
	Lower Peninsula, Class III.										
78	Arcadia & Betsey River Ry								180		
79	Delray Terminal R. R.										
80	Detroit & Charlevoix R. R.								365		
81	Detroit & Huron R. R. (Grand Trunk)								806		
82	East Jordan & Southern R. R.								70		
83	Empire & Southeastern R. R.								150		
84	Erie & Michigan Ry. & Navigation Co										
85	Ludington & Northern Ry										
86	Michigan East & West Ry								733		

TABLE NO. 12.—REVENUE FREIGHT ORIGINATING DURING YEAR ON ROAD IN MICHIGAN.—Continued.

Number.	Railroad.	Products of animals.—Tons.								Products of mines.—Tons.	
		Live stock. (10)	Dressed meats. (11)	Other packing house products. (12)	Poultry, game and fish. (13)	Wool. (14)	Hides and leather. (15)	Other products of animals. (16)	Total products of animals. (17)	Anthracite coal. (18)	Bituminous coal. (19)
87	Port Huron Southern Ry										
89	Traverse City, Leelanau & Manistique Ry								501		
90	Wyandotte Southern R. R										
91	Wyandotte Terminal R. R										
	Total, Class III										
	Grand Total										

TABLE NO. 12.—REVENUE FREIGHT ORIGINATING DURING YEAR ON ROAD IN MICHIGAN.—Continued.

Number.	Railroad.	Products of mines.					Products of forests.		
		Coke. (20)	Ores. (21)	Stone, sand and other like articles. (22)	Other products of mines. (23)	Total products of mines. (24)	Lumber. (25)	Other products of forests. (26)	Total products of forests. (27)
	Upper Peninsula, Classes I and II.								
1	Chicago, Milwaukee & St. Paul Ry	37	2,391,122	1,423	3,120	2,435,341	410,881	32,645	443,526
2	Chicago & Northwestern Ry	37	1,353,340	16,058	473	13,722,197	256,290	941,679	1,197,969
4	Copper Range R. R	311	1,835,792	253,078	16,671	2,105,852	24,102	92,415	116,517
5	Duluth, South Shore & Atlantic Ry	125	1,261,192	351,225	10,496	1,683,453	182,159	313,626	495,785
6	Escanaba & Lake Superior R. R	.....	.....	21,809	.....	32,456	22,991	256,019	279,010
7	Lake Superior & Ishpeming Ry	52	2,701,784	2,220	.....	2,704,036	897	3,120	4,067
8	Manistique & Lake Superior R. R	.....	.....	1,210	.....	1,210	820	91,969	92,789
9	Mineral Range R. R	547	5,404,391	26,896	136,339	5,905,574	13,020	31,977	44,997
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	.....	.....	.....	.....	.....	.....	.....	.....
13	Munising, Marquette & Southeastern Ry	125	502,980	16,269	46	519,420	272,289	338,511	610,800
14	Wisconsin & Michigan Ry	.....	.....	117	.....	3,881	4,554	56,798	61,352
	Total, Upper Peninsula, Classes I and II	.....	.....	.....	.....	.....	.....	.....	.....
	Lower Peninsula, Classes I and II.								
16	Ann Arbor R. R	.....	.....	.....	.....	.....	.....	.....	.....
17	Boyne City, Gaylord & Alpena R. R	.....	.....	.....	.....	2,024	27,859	310,214	338,073
18	Chicago, Kalamazoo & Saginaw Ry	.....	.....	11,964	82	12,046	363	12	375
19	Cincinnati Northern R. R	.....	.....	106,858	533	107,391	1,456	54	1,510
20	Cleveland, Cincinnati, Chicago & St. Louis R. R	415	.....	231	.....	692	696	10	706
21	Delray Connecting R. R	.....	.....	819,648	.....	819,648	.....	.....	.....
22	Detroit, Bay City & Western R. R	.....	.....	96,114	.....	147,293	571	816	1,387
23	Detroit & Mackinac Ry	86	.....	274,661	2,308	305,265	67,039	191,007	258,046
24	Detroit Terminal R. R	.....	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R	.....	.....	.....	.....	.....	.....	.....	.....

TABLE NO. 12.—REVENUE FREIGHT ORIGINATING DURING YEAR ON ROAD IN MICHIGAN.—Continued.

Number.	Railroad.	Products of mines.					Products of forests.		
		Coke. (20)	Ores. (21)	Stone, sand and other like articles. (22)	Other products of mines. (23)	Total products of mines. (24)	Lumber. (25)	Other products of forests. (26)	Total products of forests. (27)
26	Detroit & Toledo Shore Line R. R.	.....	.....	.....	.....	.....	.....	.....	.....
27	Grand Rapids & Indiana Ry.	1,682	.....	36,874	558	42,697	213,863	493,857	707,720
	Grand Trunk Railway System:								
31	Chicago, Detroit & Canada Grd. Trk. Jct. R. R.	2,873	43	24,728	55,609	82,253	5,462	4,021	9,483
33	Cincinnati, Saginaw & Mackinaw R. R.	128	57	13,525	.....	17,298	19,702	7,004	26,706
34	Detroit, Grand Haven & Milwaukee Ry.	16,185	6,488	206,318	9,540	244,875	31,103	6,741	37,844
36	Grand Trunk Western Ry.	26	13	23,471	53,930	78,322	6,405	7,808	14,213
37	Michigan Air Line Ry.	.....	.....	221,638	455	222,805	1,803	1,183	2,986
38	Pontiac, Oxford & Northern R. R.	.....	41	10,672	6	10,772	844	742	1,586
39	St. Clair Tunnel Company	.....	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry.	.....	.....	13,561	261	14,648	2,507	3,597	6,104
41	Kalamazoo, Lake Shore & Chicago Ry.	.....	.....	.....	.....	.....	.....	.....	.....
42	Manistee & Northeastern R. R.	19	.....	222	9	420	84,299	297,835	382,134
43	Michigan Central R. R.	90,600	.....	953,752	159,838	1,462,222	759,988	185,019	945,007
61	New York Central R. R.	13,192	368	258,801	24,458	298,081	31,972	24,595	56,567
67	Pere Marquette R. R.	.....	.....	.....	.....	.....	.....	.....	.....
69	Wabash Railway	1,326	1,088	34,200	13,467	166,498	9,878	1,678	11,556
	Total, Lower Peninsula, Classes I and II	.....	.....	.....	.....	.....	.....	.....	.....
	Upper Peninsula, Class III.								
71	Blaney & Southern Ry.	.....	.....	.....	.....	.....	.....	.....	.....
72	Garden Bay Ry.	.....	.....	.....	.....	.....	.....	.....	.....
73	Houghton, Chassell & Southwestern R. R.	.....	.....	.....	.....	650	.....	.....	20,000
74	Keweenaw Central R. R.	.....	.....	.....	.....	9,575	.....	.....	2,039
75	Ontonagon R. R.	.....	.....	.....	.....	1,563	.....	.....	35,084

	Lower Peninsula, Class III.								
78	Arcadia & Betsey River Ry					1,306			10,016
79	Delray Terminal R. R								
80	Detroit & Charlevoix R. R					3,521			201,079
81	Detroit & Huron R. R. (Grand Trunk)					1,203			400
82	East Jordan & Southern R. R					12,782			141,027
83	Empire & Southeastern R. R								20,0 0
84	Erie & Michigan Ry. & Navigation Co								
85	Ludington & Northern Ry								
86	Michigan East & West Ry					105,189			29,115
87	Port Huron Southern Ry								
89	Traverse City, Leelanau & Manistique Ry					3,210			3,043
90	Wyandotte Southern R. R								
91	Wyandotte Terminal R. R								
	Total, Class III								
	Grand Total								

TABLE NO. 12.—REVENUE FREIGHT ORIGINATING DURING YEAR ON ROAD IN MICHIGAN.—Continued.

Number.	Railroad.	Manufactures.								
		Petroleum and other oils. (28)	Sugar. (29)	Naval stores. (30)	Iron, pig and bloom. (31)	Iron and steel rails. (32)	Other castings and machinery. (33)	Bar and sheet metal. (34)	Cement, brick, and lime. (35)	Agricultural implements. (36)
	Upper Peninsula, Classes I and II.									
1	Chicago, Milwaukee & St. Paul Ry	3,161	1,819	.....	125	166	1,449	225	989	167
2	Chicago & Northwestern Ry	167	3,939	.....	3,126	399	3,163	212	4,354	102
4	Copper Range R. R.	1,022	131	.....	.....	61	2,907	.....	2,360	.....
5	Duluth, South Shore & Atlantic Ry	1,248	.....	.....	36,658	964	1,033	218	2,953	.....
6	Escanaba & Lake Superior R. R.	139	5	.....	20,792	195	1,249	.....	234	15
7	Lake Superior & Ishpeming Ry	.....	.....	.....	.....	676	242	.....	.....	.....
8	Manistique & Lake Superior R. R.	.....	8	.....	625	.....	.....	.....	.....	.....
9	Mineral Range R. R.	1,555	333	.....	565	186	786	152	3,065	.....
11	Minn., St. Paul & Sault Ste. Marie Ry	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	Munising, Marquette & Southeastern Ry	609	.....	.....	46,147	715	1,069	.....	706	.....
14	Wisconsin & Michigan Ry	.....	865	.....	.....	102	12	.....	2,277	.....
	Total, Upper Peninsula, Classes I and II	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Lower Peninsula, Classes I and II.									
16	Ann Arbor R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Boyne City, Gaylord & Alpena R. R.	.....	.....	.....	31,375	119	410	.....	158	.....
18	Chicago, Kalamazoo & Saginaw Ry	210	58	1	84	15	534	42	2,442	15
19	Cincinnati Northern R. R.	244	.....	54	282	.....	506	8	50,937	806
20	Cleve., Cin., Chicago & St. Louis R. R.	492	.....	279	.....	.....	2,092	10	1,901	.....
21	Delray Connecting R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Detroit, Bay City & Western R. R.	.....	.....	.....	.....	33	67	346	121	12
23	Detroit & Mackinac Ry	1,269	146	.....	2,155	530	1,061	134	133,420	54
24	Detroit Terminal R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	Detroit & Toledo Shore Line R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	Grand Rapids & Indiana Ry	1,583	1,591	.....	77,185	897	24,515	8,235	47,864	660
	Grand Trunk Railway System:									
31	Chi., Det. & Can. Grd. Trk. Jct. R. R.	5,990	7,917	183	3,620	2,821	7,291	940	6,539	1,178
33	Cincinnati, Saginaw & Mackinaw R. R.	13	1,101	135	243	1,784	4,243	.....	1,461	24

34	Detroit, Grand Haven & Milwaukee Ry.	13,077	2,804	144	5,668	35,660	38,665	6,496	164,728	1,304
36	Grand Trunk Western Ry	318	14	2,325	6,046	1,117	11,594	142	73,148	17,340
37	Michigan Air Line Ry	383	131	117	878	2,464	3,981	492	6,052	197
38	Pontiac, Oxford & Northern R. R.	40	985	18	77	103	80		138	25
39	St. Clair Tunnel Company									
40	Toledo, Saginaw & Muskegon Ry	635	22		468	3,505	2,988	80	169	110
41	Kalamazoo, Lake Shore & Chicago Ry									
42	Manistee & Northeastern R. R.	247	87		772	220	1,645	4	297	6
43	Michigan Central R. R.	57,045	44,830	353	16,641	650	186,788	32,093	270,910	14,334
61	New York Central R. R.	3,571	5,906	4,121	10,411	595	76,923	25,149	243,131	7,376
67	Pere Marquette R. R.									
69	Wabash Railway	2,902	1,008	707	3,697	1,430	6,583	3,879	22,577	1,358
	Total, Lower Peninsula, Classes I and II									
	Upper Peninsula, Class III.									
71	Blaney & Southern Ry									
72	Garden Bay Ry									
73	Houghton, Chassell & Southwestern R. R.									
74	Keweenaw Central R. R.									
75	Ontonagon R. R.									
	Lower Peninsula, Class III.									
78	Arcadia & Betsey River Ry									
79	Delray Terminal R. R.									
80	Detroit & Charlevoix R. R.									
81	Detroit & Huron R. R. (Grand Trunk)									
82	East Jordan & Southern R. R.									
83	Empire & Southeastern R. R.									
84	Erie & Michigan Ry. & Nav. Co									
85	Ludington & Northern Ry									
86	Michigan East & West Ry									
87	Port Huron Southern Ry									
89	Traverse City, Leelanau & Manistique Ry									
90	Wyandotte Southern R. R.									
91	Wyandotte Terminal R. R.									
	Total, Class III									
	Grand Total									

TABLE NO. 12.—REVENUE FREIGHT ORIGINATING DURING YEAR ON ROAD IN MICHIGAN.—Concluded.

Number.	Railroad.	Manufactures.					Miscellaneous commodities not specified above. Carload rates. (42)	L. C. L. goods not distributed above. (43)	Grand total, all commodities. (44)
		Wagons, carriages, tools, etc. (37)	Wines, liquors, and beers. (38)	Household goods and furniture. (39)	Other manufactures. (40)	Total manufactures. (41)			
	Upper Peninsula, Classes I and II.								
1	Chicago, Milwaukee & St. Paul Ry	262	486	317	9,834	19,000	3,495	4,501	2,911,373
2	Chicago & Northwestern Ry	109	1,539	1,771	95,647	114,528	8,023	143,806	15,214,045
4	Copper Range R. R	10	7,986	10	16,158	30,645	13,098	17,108	2,290,062
5	Duluth, South Shore & Atlantic Ry	12	2,025	1,021	17,998	64,130	21,070	30,652	2,315,578
6	Escanaba & Lake Superior R. R	464	63	308	5,304	28,768	1,982	4,806	350,297
7	Lake Superior & Ishpeming Ry	.....	.....	.....	.....	918	196	2,282	2,711,548
8	Manistique & Lake Superior R. R	.....	.....	162	.....	795	716	1,430	97,005
9	Mineral Range R. R	20	2,921	296	9,995	19,874	13,516	16,770	6,004,679
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	.....	.....	.....	.....	.....	.....	.....	.....
13	Munising, Marquette & Southeastern Ry	.....	210	294	38,696	88,446	10,809	10,100	1,242,836
14	Wisconsin & Michigan Ry	.....	1,123	24	77	4,480	1,119	2,743	74,718
	Total, Upper Peninsula, Classes I and II	.....	.....	.....	.....	.....	.....	.....	.....
	Lower Peninsula, Classes I and II.								
16	Ann Arbor R. R	.....	.....	.....	.....	.....	.....	.....	.....
17	Boyne City, Gaylord & Alpena R. R	.....	.....	53	6,670	38,785	.....	1,957	390,540
18	Chicago, Kalamazoo & Saginaw Ry	71	32	1,517	2,674	7,695	11,016	753	44,414
19	Cincinnati Northern R. R	342	14	367	1,520	55,080	10,057	7,394	193,714
20	Cleveland, Cincinnati, Chicago & St. Louis R. R	.....	13	206	3,324	8,317	512	6,377	29,721
21	Delray Connecting R. R	.....	.....	.....	.....	.....	.....	.....	819,648
22	Detroit, Bay City & Western R. R	.....	.....	122	475	1,176	599	8,089	203,325
23	Detroit & Mackinac Ry	25	115	434	17,229	156,572	17,074	56,247	837,490
24	Detroit Terminal R. R	.....	.....	.....	.....	.....	.....	.....	.....
25	Detroit, Toledo & Ironton R. R	.....	.....	.....	.....	.....	.....	.....	.....
26	Detroit & Toledo Shore Line R. R	.....	.....	.....	.....	.....	.....	.....	.....
27	Grand Rapids & Indiana Ry	4,452	5,976	17,802	125,997	316,757	71,342	150,765	1,437,373
	Grand Trunk Railway System:								
31	Chicago, Detroit & Canada Grd. Trk. Jct. R. R	271	3,471	510	4,219	44,950	9,276	9,065	174,570
33	Cincinnati, Saginaw & Mackinaw R. R	.....	14	214	6,727	15,959	13,783	17,412	132,044

34	Detroit, Grand Haven & Milwaukee Ry	55,294	15,221	3,208	58,679	400,948	64,510	68,413	951,633
36	Grand Trunk Western Ry	18,173	1,452	1,982	51,621	185,272	61,886	53,014	525,896
37	Michigan Air Line Ry	14,409	49	395	3,589	33,137	6,921	11,292	298,934
38	Pontiac, Oxford & Northern R. R	2,190	33	400	2,959	7,048	5,593	7,293	78,659
39	St. Clair Tunnel Co								
40	Toledo, Saginaw & Muskegon Ry	46	6	4,776	916	13,721	962	10,899	90,969
41	Kalamazoo, Lake Shore & Chicago Ry								
42	Manistee & Northeastern R. R	17	538	2,379	2,487	8,699	100,597	5,921	535,813
43	Michigan Central R. R	433,618	11,602	50,004	943,070	2,061,938	2,383,786	39,777	5,464,831
61	New York Central R. R	109,262	6,707	13,822	392,768	899,742	109,690	26,730	1,676,979
67	Pere Marquette R. R								
69	Wabash Railway	7,373	2,758	1,657	24,180	80,109	17,303	43,982	469,491
	Total, Lower Peninsula, Classes I and II								
	Upper Peninsula, Class III.								
71	Blaney & Southern Ry								
72	Garden Bay Ry								
73	Houghton, Chassell & Southwestern R. R					2,300			23,015
74	Keweenaw Central R. R					694	136	2,143	14,611
75	Ontonagon R. R					201		181	37,346
	Lower Peninsula, Class III.								
78	Arcadia & Betsey River Ry					2,694		230	16,760
79	Delray Terminal R. R								
80	Detroit & Charlevoix R. R					12,881		3,224	223,795
81	Detroit & Huron R. R. (Grand Trunk)					310	4,346	1,579	8,669
82	East Jordan & Southern R. R					18,921	14,145	2,176	180,903
83	Empire & Southeastern R. R					4,000		850	25,750
84	Erie & Michigan Ry. & Navigation Co								
85	Ludington & Northern Ry								
86	Michigan East & West Ry					5,522	705	8,283	159,257
87	Port Huron Southern Ry								
89	Traverse City, Leelanau & Manistique Ry					2,711		1,954	23,555
90	Wyandotte Southern R. R								
91	Wyandotte Terminal R. R								
	Total, Class III								
	Grand Total								

TABLE NO. 13.—EMPLOYEES AND THEIR COMPENSATION.—TOTALS, ENTIRE LINE.

Number.	Railroad.	Total number of employees in service at middle of month named.				Average number of employees in service. (f)	Total number of hours on duty during year. (g)	Total number of days on duty during year. (h)	Total compensation during year. (i)
		January. (b)	April. (c)	July. (d)	October. (e)				
	Upper Peninsula, Classes I and II.								
1	Chicago, Milwaukee & St. Paul Ry	45,139	52,671	52,858	54,608	51,319	171,096,216	604,059	$49,210,073 12
2	Chicago & Northwestern Ry	39,946	43,953	45,936	46,771	44,152	137,800,359	586,968	41,189,272 65
4	Copper Range R. R	.....	.....	.....	.....	.....	.....	.....	.....
5	Duluth, South Shore & Atlantic Ry	1,640	1,902	2,131	2,144	1,954	6,179,509	26,924	1,771,939 55
6	Escanaba & Lake Superior R. R	163	211	307	258	235	702,612	3,294	165,951 40
7	Lake Superior & Ishpeming Ry	285	483	481	406	415	1,030,482	6,835	310,913 66
8	Manistique & Lake Superior R. R	86	96	95	110	96	272,516	1,947	73,687 67
9	Mineral Range R. R	589	548	549	586	568	1,913,660	3,845	516,130 21
11	Minneapolis, St. Paul & Sault Ste. Marie Ry	11,591	12,946	12,619	13,233	12,494	40,681,342	197,100	11,742,615 33
13	Munising, Marquette & Southeastern Ry	202	228	312	255	249	693,626	13,868	189,281 79
14	Wisconsin & Michigan Ry	109	90	82	88	96	231,769	6,714	66,830 39
	Total, Upper Penninsula, Classes I and II	.....	.....	.....	.....	.....	.....	.....	.....
	Lower Peninsula, Classes I and II.								
16	Ann Arbor R. R	1,484	1,402	1,412	1,428	1,431	4,170,169	27,053	$1,177,708 72
17	Boyne City, Gaylord & Alpena R. R	175	187	218	196	194	576,631	2,150	134,740 49
18	Chicago, Kalamazoo & Saginaw Ry	96	98	98	104	98	268,023	2,626	73,736 35
19	Cincinnati Northern R. R	660	694	734	742	708	2,119,199	13,017	603,281 00
20	Cleveland, Cincinnati, Chicago & St. Louis R. R	19,101	19,283	19,950	21,362	19,924	60,143,419	283,992	18,578,592 17
21	Delray Connecting R. R	107	107	113	120	111	349,747	3,011	184,643 43
22	Detroit, Bay City & Western R. R	80	79	90	90	85	243,174	5,002	70,290 86
23	Detroit & Mackinac Ry	692	785	863	782	780	2,015,312	13,702	556,780 51
24	Detroit Terminal R. R	183	226	267	313	247	934,166	4,097	295,154 90
25	Detroit, Toledo & Ironton R. R	.....	.....	.....	.....	.....	.....	.....	.....
26	Detroit & Toledo Shore Line R. R	445	450	401	430	440	1,190,577	8,146	376,175 79
27	Grand Rapids & Indiana Ry	2,950	2,845	2,732	2,736	2,815	8,379,753	54,301	2,593,365 85
	Grand Trunk Railway System:								
31	Chicago, Detroit & Canada Grd. Trk. Jct. R. R	666	660	831	958	778	2,398,899	6,590	614,618 93
33	Cincinnati, Saginaw & Mackinaw R. R	185	208	179	200	193	580,816	2,199	137,367 21

34	Detroit, Grand Haven & Milwaukee Ry	2,410	2,377	2,777	2,700	2,566	8,085,609	29,660	2,078,104 22
36	Grand Trunk Western Ry	4,035	4,105	4,173	4,294	4,151	12,179,037	42,788	3,720,896 88
37	Michigan Air Line Ry	115	127	154	128	131	416,060	366	101,652 46
38	Pontiac, Oxford & Northern R. R.	199	217	225	246	222	758,710	732	199,663 33
39	St. Clair Tunnel Company								
40	Toledo, Saginaw & Muskegon Ry	131	150	131	131	135	433,801	314	102,023 85
41	Kalamazoo, Lake Shore & Chicago Ry								
42	Manistee & Northeastern R. R.	304	290	323	290	302	933,157	5,809	246,312 23
43	Michigan Central R. R.	16,679	17,187	18,516	19,890	18,068	54,937,918	262,672	17,956,794 46
61	New York Central R. R.	90,711	96,240	95,573	97,452	94,995	291,257,029	1,950,885	89,743,764 60
67	Pere Marquette R. R.	10,573	10,691	10,363	10,400	10,507	31,482,680	154,645	8,972,780 33
69	Wabash Railway	15,744	16,250	16,422	17,615	16,508	47,496,175	263,824	14,661,980 24
	Total, Lower Peninsula, Classes I and II								
	Upper Peninsula, Class III.								
71	Blaney & Southern Ry	13	15	16	16	15	18,978	525	$5,047 48
72	Garden Bay Ry								
73	Houghton, Chassell & Southwestern R. R.	12	4	4	4	6			4,565 60
74	Keweenaw Central R. R.	6	4	22	23	13	33,819	1,107	10,450 58
75	Ontonagon R. R.	13	14	13	14	13	14,929	1,565	3,580 77
	Lower Peninsula, Class III.								
78	Arcadia & Betsey River Ry	12	14	14	12	12	29,905	558	7,700 54
79	Delray Terminal R. R.	28	28	32	36	31			32,213 00
80	Detroit & Charlevoix R. R.	66	59	53	63	60	146,070	4,289	35,214 45
81	Detroit & Huron R. R. (Grand Trunk)	22	25	23	27	23	64,928		15,849 36
82	East Jordan & Southern R. R.	46	47	57	60	53	139,146		34,573 38
83	Empire & Southeastern R. R.	9	10	10	9	10			6,075 26
84	Erie & Michigan Ry. & Navigation Co.	24	38	37	38	35	75,946	2,198	26,793 20
85	Ludington & Northern Ry	12	20	35	27	23	51,599	1,502	15,977 44
86	Michigan East & West Ry	95	108	112	103	104	256,924		58,278 68
87	Port Huron Southern Ry	20	18	16	20	18	35,401	622	13,313 60
89	Traverse City, Leelanau & Manistique Ry	15	16	23	18	18	49,867	1,066	16,240 62
90	Wyandotte Southern R. R.	14	14	14	15	14	22,959	1,872	8,070 41
91	Wyandotte Terminal R. R.	59	54	55	56	57	174,750	366	61,926 23
	Total, Class III								
	Grand Total								

TABLE NO. 14.—CONSUMPTION OF FUEL BY LOCOMOTIVES.—TOTAL TONS.—ENTIRE LINE.

Number.	Railroad.	Freight service. (1)	Passenger service. (2)	Mixed train service. (3)	Special service. (4)	Yard switching. (5)	Total transportation service. (6)	Work service. (7)	Grand total. Tons. (8)	Average cost including transportation. Bituminous coal. (9)	Fuel oil. (10)	Wood. (11)
	Upper Peninsula, Classes I and II.											
1	Chicago, Milwaukee & St. Paul Ry..	2,688,061	1,050,576	118,746	2,513	720,964	4,580,860	159,374	4,740,234	2.224	.0181	.....
2	Chicago & Northwestern Ry.....	2,204,170	1,227,789	141,433	3,238	832,062	4,408,692	99,303	4,507,995	1.59	.0153	1.026
4	Copper Range R. R.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	Duluth, South Shore & Atlantic Ry..	73,600	38,054	600	198	11,765	124,217	2,098	126,315	2.98	.....	1.77
6	Escanaba and Lake Superior R. R..	3,320	.....	2,442	.....	3,490	9,252	509	9,761	3.25	.....	6.00
7	Lake Superior & Ishpeming Ry.....	4,652	404	.....	.....	9,657	14,713	374	15,087	3.12	.....	1.00
8	Manistique & Lake Superior R. R...	2,400	.....	718	.....	1,352	4,470	88	4,558	2.88	.....	2.00
9	Mineral Range R. R.....	35,513	1,560	2,218	4	9,536	48,831	848	49,679	2.96	.....	2.50
11	Minn., St. Paul & S. S. Marie Ry....	518,187	202,812	37,355	256	126,456	885,066	18,849	903,915	2.70	.....	2.20
13	Munising, Marq. & Southeast. Ry...	7,483	961	6,083	36	2,552	17,115	740	17,855	3.15	.....	1.00
14	Wisconsin & Michigan Ry.....	3,823	1,453	.....	.....	.....	5,276	53	5,329	2.95	.....	.....
	Total, Upp. Penn., Classes I and II.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Lower Peninsula, Classes I and II.											
16	Ann Arbor R. R.....	76,496	22,729	.....	37	17,594	116,856	115	116,791	1.92	.....	1.76
17	Boyne City, Gaylord & Alpena R. R.	4,734	3,114	3,488	.....	1,256	12,592	1,301	13,893	2.71	.....	.....
18	Chicago, Kala. & Saginaw Ry.....	2,586	2,636	.....	.....	2,236	7,458	.....	7,458	3.03	.....	.....
19	Cincinnati Northern R. R.....	52,518	13,950	.....	5	2,346	68,819	245	69,064	1.95	.0563	.....
20	Cleve., Cin., Chi., & St. Louis R. R..	1,035,604	439,690	11,444	2,272	408,122	1,897,132	17,040	1,914,172	1.509	.0447	1.00
21	Delray Connecting R. R.....	1,225	.....	.....	.....	8,133	9,358	.....	9,358	3.03	.....	.....
22	Detroit, Bay City & Western R. R...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	Detroit & Mackinac Ry.....	19,421	12,918	6,732	220	3,052	42,343	713	43,056	.....	.....	.....
24	Detroit Terminal R. R.....	.....	.....	.....	.....	24,624	24,624	594	25,218	2.69	.....	.....
25	Detroit, Toledo & Ironton R. R.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	Detroit & Toledo Shore Line R. R...	26,024	.....	.....	.....	16,828	42,852	73	42,925	1.89	.....	3.00
27	Grand Rapids & Indiana Ry.....	155,538	78,283	.....	271	28,923	263,015	4,929	267,944	1.70	.059	.74
	Grand Trunk Railway System:											
31	Chicago, Det. & Can. G.T.Jct.R.R.	24,277	9,279	.....	27	41,442	75,025	2,333	77,358	2.158	.....	1.50
33	Cin., Saginaw & Mackinaw R. R..	7,614	3,266	.....	7	5,228	16,115	1,019	17,134	2.155	.....	1.50

34	Detroit, Gd. Haven & Mil. Ry	71,585	25,223	.....	30	66,106	162,944	5,530	168,474	2.164	.....	1.50
36	Grand Trunk Western Ry	229,708	64,860	1,509	124	67,790	363,991	6,797	370,788	2.159	.....	1.50
37	Michigan Air Line Ry	11,105	4,874	.....	5	3,217	19,201	628	19,829	2.158	.....	1.50
38	Pontiac, Oxford & Northern R. R.	7,863	5,239	.....	5	2,278	15,385	238	15,623	2.157	.....	1.50
39	St. Clair Tunnel Co	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Toledo, Saginaw & Muskegon Ry	9,289	3,019	.....	69	.....	12,377	151	12,528	2.154	.....	1.50
41	Kalamazoo, Lake Shore & Chi. Ry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	Manistee & Northeastern R. R	14,255	3,990	1,197	4	2,610	22,056	145	22,201	2.71	.....	.....
43	Michigan Central R. R	762,353	395,598	27,389	1,558	434,505	1,621,403	25,134	1,646,537	1.974	.0375	1.00
61	New York Central R. R	3,802,499	1,987,148	11,461	1,557	1,369,922	7,172,587	154,518	7,327,105	1.65	.0381	.....
67	Pere Marquette R. R	488,106	174,275	9,491	216	167,650	839,730	18,101	857,839	2.01	.....	.....
69	Wabash Railway	1,026,882	397,701	12,944	683	263,411	1,701,621	18,044	1,719,665	1.599	.....	.....
	Total, Low. Penn., Classes I and II	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

STATISTICS

ELECTRIC RAILWAYS

FOR THE

YEAR ENDING DECEMBER 31, 1916.

TABLE NO. 1.—BALANCE SHEET.—ASSETS.—DECEMBER 31, 1916.

Number.	Railway.	Investments.			Current assets.				
		Road and equipment. (401)	Other investments. (406)	Total.	Cash. (407)	Special deposits. (408)	Loans and notes receivable. (409)	Miscellaneous accounts receivable. (410)	Materials and supplies (411)
1	Benton Harbor-St. Joe Railway & Light Co.	$2,273,480 45	$216,528 20	$2,690,008 65	$16,927 13	.....	$734 19	$55,898 45	$32,484 61
2	Detroit, Jackson & Chicago Railway	4,749,502 14	.....	a4,840,265 95	.....	.....	.....	.....	.....
3	Detroit, Monroe & Toledo Short Line Ry.	5,748,040 23	.....	5,748,040 23	.....	.....	.....	.....	1,500 00
4	Detroit & Port Huron Shore Line Ry.	6,061,616 69	.....	6,061,616 69	.....	.....	.....	.....	5,000 00
5	Detroit United Ry.	46,532,245 69	.....	b52,688,870 89	188,577 34	.....	.....	142,564 35	904,860 69
6	Detroit, Almont & Northern Railroad	391,798 12	13,201 88	405,000 00	10,158 28	.....	1,000 00	4,916 42	47,581 77
7	Escanaba Traction Co.	1,459,064 72	.....	1,459,064 72	12,317 51	.....	.....	33,457 90	5,040 42
8	Grand Rapids, Gd. Haven & Muskegon Ry.	2,986,066 72	.....	2,986,066 72	.....	.....	.....	.....	.....
9	Houghton County Traction Co.	2,235,657 10	.....	e2,291,245 14	59,718 18	.....	.....	2,858 58	29,196 05
10	Michigan Ry.	13,058,452 82	26,650 00	f13,215,141 48	137,308 79	.....	1,624,787 36	236,983 74	294,439 06
11	Grand Rapids, Holland & Chicago Ry.	3,532,992 07	.....	g3,572,993 07	.....	.....	.....	.....	.....
12	Michigan United Railways Co.	20,062,305 75	.....	h20,579,305 75	.....	.....	.....	15,636 61	.....
13	Lansing Southern Railroad	81,060 12	.....	81,060 12	.....	.....	.....	13,700 63	.....
14	Muskegon Traction & Lighting Co.	1,814,095 78	.....	1,814,095 78	23,455 09	.....	.....	22,200 11	30,519 58
15	Saginaw-Bay City Ry.	5,275,545 64	501 00	i5,482,014 69	21,267 41	.....	.....	24,522 68	61,743 79
16	Southern Michigan Ry.	3,292,126 59	.....	j3,363,965 57	39,290 89	.....	.....	14,373 67	.....
17	Toledo, Ottawa Beach & Northern Ry.	2,138,555 38	.....	2,138,555 38	84,458 90	.....	.....	48,298 61	.....
18	Toledo & Western Railroad	4,248,988 94	.....	4,248,988 94	10,063 85	$500 00	.....	22,691 28	48,516 03
	Total	$126,141,594 95	$251,881 68	$133,666,299 77	$603,543 39	$500 00	$1,626,521 55	$638,103 03	$1,460,882 00

a. Includes item 402 "Sinking Funds" $90,763.81.
b. Includes item 405 "Investment in affiliated companies" $6,156,625.20.
e. Includes item 402, $664.84 sinking funds; item 403 $2,923.20 deposits in lieu of mortgaged property sold; item 405 $52,000.00 investments in affiliated companies.
f. Includes item 402, $130,038.66 "Sinking Funds."
g. Includes item 405, $40,001.00 "Investment in affiliated companies."
h. Includes item 402, $517,000 "Sinking Fund."
i. Includes item 402, $205,968.05 "Sinking Funds."
j. Includes item 402, $71,838.98 "Sinking Funds."

TABLE NO. 1.—ASSETS.—Concluded.

Number.	Railway.	Current assets.		Total deferred assets. (414-415)	Unadjusted debits.				Grand total. assets.
		Interest, dividends and rents receivable. (412)	Total.		Rents and insurance premium paid in advance. (416)	Discount on funded debt. (418)	Other unadjusted debits. (420)	Total.	
1	Benton Harbor-St. Joe Railway & Light Co.	.....	a$113,381 09	.....	.....	$78,181 64	.....	$78,181 64	$2,881,571 38
2	Detroit, Jackson & Chicago Ry.	.....	.....	$12,792 40	.....	.....	.....	.....	4,853,058 35
3	Detroit, Monroe & Toledo Short Line Ry.	.....	1,500 00	.....	.....	.....	.....	.....	5,749,540 23
4	Detroit & Port Huron Shore Line Ry.	.....	5,000 00	.....	$3,620 83	.....	.....	3,620 83	6,070,237 52
5	Detroit United Railway	$6,250 00	1,242,252 38	.....	.....	.....	.....	.....	53,931,123 27
6	Detroit, Almont & Northern R. R.	.....	.....	.....	.....	.....	.....	.....	405,000 00
7	Escanaba Traction Co.	.....	50,815 83	.....	.....	.....	.....	.....	1,509,880 55
8	Gd. Rapids, Gd. Haven & Muskegon Ry.	99 51	63,755 98	158 00	3,005 57	.....	.....	3,005 57	3,052,986 27
9	Houghton County Traction Co.	.....	91,772 81	.....	2,411 79	.....	$710 54	3,122 33	2,386,140 28
10	Michigan Railway	.....	2,293,518 95	.....	2,645 37	.....	15,033 31	17,678 68	15,526,339 11
11	Grand Rapids, Holland & Chicago Ry.	.....	.....	.....	.....	.....	.....	.....	3,572,993 07
12	Michigan United Railways Co.	.....	15,636 61	.....	.....	.....	10,000 00	10,000 00	20,604,942 36
13	Lansing Southern Railroad	.....	13,700 63	.....	.....	.....	.....	.....	94,760 75
14	Muskegon Traction & Lighting Co.	.....	76,174 78	.....	*22,887 96*	.....	.....	*22,887 96*	1,867,382 60
15	Saginaw-Bay City Ry.	.....	107,533 88	27,674 22	.....	62,976 33	.....	62,976 33	5,680,199 12
16	Southern Michigan Ry.	.....	53,664 56	.....	209 69	5,800 00	750 00	6,759 69	3,424,389 82
17	Toledo, Ottawa Beach & Northern Ry.	.....	132,757 51	.....	15 63	.....	.....	15 63	2,271,328 52
18	Toledo & Western R. R.	.....	b93,964 23	.....	1,181 02	.....	.....	1,181 02	4,344,134 19
	Total	$6,349 51	$4,355,429 24	$40,624 62	*$9,798 06*	$146,957 97	$26,493 85	$163,653 76	$138,226,007 39

Includes item 413, "Other Current Assets" $7,336.71.
b. Includes item 413, "Other Current Assets" $12,193.05.
c. Reverse items appear in italic type.

TABLE NO. 1.—BALANCE SHEET.—LIABILITIES.—DECEMBER 31, 1916.

Number.	Railway.	Capital stock. (423)	Long term debt.			Current liabilities.			
			Funded debt unmatured. (427)	Non-negotiable debt to affiliated companies. (429)	Total.	Loans and notes payable. (430)	Audited accounts and wages payable. (431)	Miscellaneous accounts payable. (432)	Matured interest dividends and rents unpaid. (433)
1	Benton Harbor-St. Joe Railway & Light Co.	$1,200,000 00	$1,409,000 00	.....	$1,409,000 00	$79,325 10	$49,918 77	$5,007 30	.....
2	Detroit, Jackson & Chicago Ry	614,000 00	4,000,000 00	50,078 04	4,050,078 04	.....	.....	.....	.....
3	Detroit, Monroe & Toledo Short Line Ry	2,581,000 00	2,941,000 00	142,598 80	3,083,598 80	.....	.....	.....	.....
4	Detroit & Port Huron Shore Line Ry	2,000,000 00	2,890,000 00	1,069,329 48	3,959,329 48	.....	6,208 00	.....	.....
5	Detroit United Railway	12,500,000 00	*25,650,000 00	.....	25,650,000 00	774,741 14	1,545,967 43	.....	$165 00
6	Detroit, Almont & Northern R. R.	5,000 00	400,000 00	.....	400,000 00	.....	.....	.....	.....
7	Escanaba Traction Co	500,000 00	760,000 00	.....	760,000 00	50 00	29,761 41	.....	.....
8	Grand Rapids, Gd. Haven & Muskegon Ry	1,200,000 00	1,500,000 00	.....	1,500,000 00	201,500 00	.....	21,531 15	.....
9	Houghton County Traction Co	957,200 00	1,088,000 00	.....	1,088,000 00	.....	8,672 24	.....	.....
10	Michigan Railway	4,392,000 00	6,000 000 00	4,383,964 89	10,383,964 89	.....	.....	327,993 90	.....
11	Grand Rapids, Holland & Chicago Ry	1,324,700 00	1,475,000 00	.....	1,475,000 00	807,795 30	.....	.....	.....
12	Michigan United Railways Co	7,000,000 00	12,987,000 00	.....	12,987,000 00	328,088 47	.....	.....	.....
13	Lansing Southern R. R.	3,100 00	.....	.....	.....	.....	.....	81,060 12	.....
14	Muskegon Traction & Lighting Co	663,000 00	600,000 00	.....	600,000 00	140,000 00	6,327 12	15,432 16	11,260 00
15	Saginaw-Bay City Ry	2,600,000 00	2,471,000 00	522,390 18	2,993,390 18	.....	33,697 14	.....	.....
16	Southern Michigan Ry	2,000,000 00	1,163,000 00	.....	1,163,000 00	13,950 00	32,551 75	85 37	.....
17	Toledo, Ottawa Beach & Northern Ry	1,500,000 00	450,000 00	.....	450,000 00	.....	4,286 31	.....	90,000 00
18	Toledo & Western R. R.	2,000,000 00	2,000,000 00	.....	2,000,000 00	.....	53,038 27	262,310 06	394,750 00
	Total	$43,040,000 00	$67,784,000 00	$6,168,361 39	$73,952,361 39	$2,345,450 01	$1,770,428 44	$713,420 06	$496,175 00

TABLE NO. 1.—BALANCE SHEET.—LIABILITIES.—DECEMBER 31, 1916.—Continued.

Number.	Railway.	Current liabilities.			Total deferred liabilities. (437-438)	Unadjusted credits.			
		Accrued interest dividends and rents unpaid. (435)	Other current liabilities (436)	Total.		Tax liability. (439)	Insurance and casualty reserves. (441)	Operating reserves. (442)	Accrued depreciation road and equipment. (443)
1	Benton Harbor-St. Joe Railway & Light Co.	$22,974 99	.....	$157,226 16	.....	a*38,211 38*	.....	.....	.....
2	Detroit, Jackson & Chicago Ry	72,375 00	.....	72,375 00	.....	19,841 50	.....	.....	$6,000 00
3	Detroit, Monroe & Toledo Short Line Ry	.....	.....	.....	.....	*8,935 51*	$5,711 11	$82,165 63	6,000 00
4	Detroit & Port Huron Shore Line Ry	3,675 00	.....	9,883 00	.....	*8,000 00*	.....	103,025 04	6,000 00
5	Detroit United Railway	162,380 06	.....	2,483,253 63	.....	.....	84,396 21	380,390 02	30,000 00
6	Detroit, Almont & Northern R. R.	.....	.....	.....	.....	.....	.....	.....	.....
7	Escanaba Traction Co	2,500 00	.....	32,311 41	.....	.....	.....	5,364 78	48,654 51
8	Gd. Rapids, Gd. Haven & Muskegon Ry	.....	.....	223,031 15	.....	14,676 39	22,969 20	.....	79,890 65
9	Houghton County Traction Co	.....	.....	8,672 24	$124 18	.....	.....	13,660 51	.....
10	Michigan Railway	222,980 69	$5,089 43	556,064 02	1,747 77	.....	.....	93,455 43	171,204 72
11	Grand Rapids, Holland & Chicago Ry	.....	.....	807,795 30	1 00	.....	.....	.....	.....
12	Michigan United Railways Co	.....	.....	328,088 47	.....	.....	.....	.....	.....
13	Lansing Southern Railroad	.....	.....	81,060 12	.....	.....	.....	.....	.....
14	Muskegon Traction & Lighting Co	.....	4,553 25	177,572 53	.....	21,747 08	.....	.....	197,500 00
15	Saginaw-Bay City Ry	47,484 75	13,147 82	94,329 71	5,075 35	.....	.....	.....	*18,330 89*
16	Southern Michigan Railway	16,178 41	.....	62,765 53	.....	3,510 14	.....	*791 46*	2,900 00
17	Toledo, Ottawa Beach & Northern Ry	3,750 00	6,659 00	104,695 31	.....	1,611 07	3,818 81	.....	.....
18	Toledo & Western Railroad	6,250 00	7,384 27	723,732 60	.....	7,743 85	*14,905 11*	.....	15,875 70
	Total	$560,548 90	$36,833 77	$5,922,856 18	$6,948 30	$43,983 34	$101,990 22	$677,269 95	$545,694 69

a. Reverse items appear in italic type.

TABLE NO. 1.—BALANCE SHEET.—LIABILITIES.—DECEMBER 31, 1916.—Concluded

Number.	Railway.	Unadjusted credits.		Corporate surplus.					Grand total liabilities.
		Other unadjusted credits. (446)	Total.	Funded debt retired through surplus. (448)	Sinking fund reserves. (449)	Miscellaneous fund reserves. (450)	Profit and loss. (451)	Total.	
1	Benton Harbor-St. Joe Railway & Light Co.	$3,200 98	a$28,117 34	.....	.....	.....	$87,227 88	$87,227 88	$2,881,571 38
2	Detroit, Jackson & Chicago Ry.	.....	25,841 50	.....	$90,763 81	.....	.....	90,763 81	4,853,058 35
3	Detroit, Monroe & Toledo Short Line Ry.	.....	84,941 43	.....	.....	.....	.....	.....	5,749,540 23
4	Detroit & Port Huron Shore Line Ry.	.....	101,025 04	.....	.....	.....	.....	.....	6,070,237 52
5	Detroit United Railway	290,720 82	785,507 05	.....	.....	$4,640,900 08	7,871,462 51	12,512,362 59	53,931,123 27
6	Detroit, Almont & Northern R. R.	.....	.....	.....	.....	.....	.....	.....	405,000 00
7	Escanaba Traction Co.	.....	54,019 29	$10,000 00	.....	.....	153,549 85	163,549 85	1,509,880 55
8	Gd. Rapids, Gd. Haven & Muskegon Ry.	641 18	118,177 42	.....	.....	.....	11,017 70	11,017 70	c3,052,986 27
9	Houghton County Traction Co.	4,655 10	18,315 61	.....	.....	181,072 55	132,755 70	313,828 25	2,386,140 28
10	Michigan Railway	21,145 92	285,806 07	.....	.....	.....	d*99,243 64*	*99,243 64*	b15,526,339 11
11	Grand Rapids, Holland & Chicago Ry.	.....	.....	.....	.....	.....	*34,503 23*	*34,503 23*	3,572,993 07
12	Michigan United Railways Co.	.....	.....	.....	.....	.....	289,853 89	289,853 89	20,604,942 36
13	Lansing Southern R. R.	.....	.....	.....	.....	.....	10,600 63	10,600 63	94,760 75
14	Muskegon Traction & Lighting Co.	.....	219,247 08	.....	.....	.....	207,562 99	207,562 99	1,867,382 60
15	Saginaw-Bay City Ry.	*11 72*	*18,342 61*	.....	.....	.....	5,746 49	5,746 49	5,680,199 12
16	Southern Michigan Ry.	*95 56*	5,523 12	.....	.....	.....	193,101 17	193,101 17	3,424,389 82
17	Toledo, Ottawa Beach & Northern Ry.	.....	5,429 88	.....	.....	.....	211,203 33	211,203 33	2,271,328 52
18	Toledo & Western R. R.	76 93	8,791 37	.....	.....	.....	*388,389 78*	*388,389 78*	4,344,134 19
	Total	$320,393 65	$1,722,399 59	$10,000 00	$90,763 81	$4,821,972 63	$8,651,945 49	$13,574,681 93	$138,226,007 39

a. Includes item 444, "Reserve for Amortization of Franchises" $33,067.74.
b. Includes item "Contracts Payable" $6,000.00.
c. Includes item 426, "Government Grants" $760.00.
d. Reverse items appear in italic type.

TABLE NO. 2.—ROAD AND EQUIPMENT.

Number.	Railway.	Investment to December 31, 1908. (1)	Investment from Dec. 31, 1908 to June 30, 1914. (2)	Investment since June 30, 1914.					Total investment in road and equipment December 31, 1916. (8)
				Ways and structures. (3)	Equipment. (4)	Power. (5)	General and miscellaneous. (6)	Total. (7)	
1	Benton Harbor-St. Joe Railway & Light Co.	$1,664,834 93	$757,982 41	$29,548 96	$16,046 36	$2,548 79	$2,519 00	$50,663 11	$2,473,480 45
2	Detroit, Jackson & Chicago Ry	4,100,345 91	511,286 67	196,744 45	511 75	b*61,074 64*	1,688 00	137,869 56	4,749,502 14
3	Detroit, Monroe & Toledo Short Line Ry	5,212,885 57	480,601 13	48,808 54	*3,400 00*	8,694 49	450 50	54,553 53	5,748,040 23
4	Detroit & Port Huron Shore Line Ry	5,129,776 02	661,303 49	215,276 37	16,508 22	35,993 59	2,759 00	270,537 18	6,061,616 69
5	Detroit United Railway	34,871,906 79	6,689,592 07	3,385,552 77	1,299,182 45	67,315 83	218,695 78	4,970,746 83	46,532,245 69
6	Detroit, Almont & Northern R. R.	.....	98,674 25	289,030 64	479 23	.....	3,614 00	293,123 87	391,798 12
7	Escanaba Traction Co	.....	1,252,006 95	9,953 54	8,591 34	160,149 89	28,363 00	207,057 77	1,459,064 72
8	Gd. Rapids, Gd. Haven & Muskegon Ry	2,709,777 00	135,895 41	196,872 14	28,482 77	10,460 28	4,579 12	140,394 31	2,986,066 72
9	Houghton County Traction Co	2,099,601 70	104,180 05	19,611 10	26 03	12,273 28	*35 06*	31,875 35	2,235,657 10
10	Michigan Railway	.....	12,456,172 81	347,176 99	89,018 11	22,915 99	143,168 92	602,280 01	13,058,452 82
11	Grand Rapids, Holland & Chicago Ry	2,868,694 00	499,255 73	177,180 93	61,460 97	*76,030 00*	2,430 44	165,042 34	3,532,992 07
12	Michigan United Railways Co	11,580,789 63	7,576,570 82	474,924 75	399,739 71	*19,328 84*	49,609 68	904,945 30	20,062,305 75
13	Lansing Southern R. R	.....	81,060 12	.....	.....	.....	.....	.....	81,060 12
14	Muskegon Traction & Lighting Co	a1,431,550 44	53,402 13	3,084 37	32,410 19	*550 00*	.....	34,944 56	1,519,897 13
15	Saginaw-Bay City Ry	.....	5,154,464 05	115,782 93	*2,213 68*	.....	7,512 34	121,081 59	5,275,545 64
16	Southern Michigan Ry	.....	3,280,830 68	8,533 16	2,569 29	76 64	116 82	11,295 91	3,292,126 59
17	Toledo, Ottawa Beach & Northern Ry	2,082,148 90	18,651 37	4,666 37	.....	33,088 74	.....	37,755 11	2,138,555 38
18	Toledo & Western R. R	4,044,598 96	72,374 30	57,310 34	25,635 19	49,070 15	.....	132,015 68	4,248,988 94
	Total	$77,796,909 85	$39,884,304 44	$5,480,058 35	$1,975,047 93	$245,604 19	$465,471 54	$8,166,182 01	$125,847,396 30

a. Includes Gas and Electric Departments.
b. Reverse items appear in italic type.

TABLE NO. 2.—ROAD AND EQUIPMENT.—Concluded.

Number.	Railway.	Length of road owned—Miles. (9)	Average investment per mile of road. (10)	Length of track owned.—Miles. (11)	Average investment per mile of track. (12)	Retirements charged to depreciation during year.			Total credits to reserve account for depreciation during year. (16)
						Equipment. (13)	Other debits. (14)	Total.	
1	Benton Harbor-St. Joe Railway & Light Co.	49.69	$49,778 23	57.12	$43,303 22	.....	$15,707 04	$15,707 04	$32,680 53
2	Detroit, Jackson & Chicago Ry.....	98.40	48,267 00	110.16	43,138 00	.....	.....	.....	2,400 00
3	Detroit, Monroe & Toledo Short Line Ry...	51.84	110,880 00	81.29	70,710 00	.....	.....	.....	2,400 00
4	Detroit & Port Huron Shore Line Ry.....	109.62	55,296 63	136.39	44,473 00	.....	.....	.....	2,400 00
5	Detroit United Railway.....	291.75	159,493 58	481.00	96,740 60	.....	.....	.....	12,000 00
6	Detroit, Almont & Northern R. R.....	16.90	23,183 00	20.04	19,550 00	.....	.....	.....	.....
7	Escanaba Traction Co.....	16.35	89,239 43	16.35	89,239 43	.....	.....	.....	19,443 64
8	Gd. Rapids, Gd. Haven & Muskegon Ry...	41.336	72,238 89	43.116	69,256 56	.....	4,824 00	4,824 00	38,161 57
9	Houghton County Traction Co.....	28.24	79,166 32	32.15	69,538 33	.....	.....	.....	.....
10	Michigan Railway.....	133.70	95,400 00	151.89	82,100 00	.....	16,068 17	16,068 17	180,858 89
11	Grand Rapids, Holland & Chicago Ry....	44.67	79,090 93	76.47	46,096 00	.....	.....	.....	.....
12	Michigan United Railways Co.....	228.79	87,000 00	258.90	77,500 00	.....	.....	.....	.....
13	Lansing Southern R. R.....	1.94	41,783 56	2.03	39,931 00	.....	.....	.....	.....
14	Muskegon Traction & Lighting Co.....	14.52	.....	14.52	.....	.....	.....	.....	.....
15	Saginaw-Bay City Ry.....	48.06	109,769 98	62.70	84,139 48	.....	.....	.....	1,000 00
16	Southern Michigan Ry.....	32.05	102,719 03	34.05	96,685 61	.....	.....	.....	1,200 00
17	Toledo, Ottawa Beach & Northern Ry.....	12.90	a165,779 00	16.75	a127,674 90	.....	.....	.....	.....
18	Toledo & Western Ry.....	74.91	56,721 25	84.08	50,535 07	.....	.....	.....	6,350 28
	Total.....	1,295.66	$97,129 95	1,679.01	$75,548 92	.....	$36,599 21	$36,599 21	$298,894 91

a. Based on investment in electric light and power departments as well as railway.

TABLE NO. 2.—ROAD AND EQUIPMENT.

Number.	Railway.	Investment to December 31, 1908. (1)	Investment from Dec. 31, 1908 to June 30, 1914. (2)	Investment since June 30, 1914. Ways and structures. (3)	Equipment. (4)	Power. (5)	General and miscellaneous. (6)	Total. (7)	Total investment in road and equipment December 31, 1916. (8)
1	Benton Harbor-St. Joe Railway & Light Co.	$1,664,834 93	$757,982 41	$29,548 96	$16,046 36	$2,548 79	$2,519 00	$50,663 11	$2,473,480 45
2	Detroit, Jackson & Chicago Ry	4,100,345 91	511,286 67	196,744 45	511 75	b*61,074 64*	1,688 00	137,869 56	4,749,502 14
3	Detroit, Monroe & Toledo Short Line Ry	5,212,885 57	480,601 13	48,808 54	*3,400 00*	8,694 49	450 50	54,553 53	5,748,040 23
4	Detroit & Port Huron Shore Line Ry	5,129,776 02	661,303 49	215,276 37	16,508 22	35,993 59	2,759 00	270,537 18	6,061,616 69
5	Detroit United Railway	34,871,906 79	6,689,592 07	3,385,552 77	1,299,182 45	67,315 83	218,695 78	4,970,746 83	46,532,245 69
6	Detroit, Almont & Northern R. R.	.....	98,674 25	289,030 64	479 23	.....	3,614 00	293,123 87	391,798 12
7	Escanaba Traction Co	.....	1,252,006 95	9,953 54	8,591 34	160,149 89	28,363 00	207,057 77	1,459,064 72
8	Gd. Rapids, Gd. Haven & Muskegon Ry	2,709,777 00	135,895 41	196,872 14	28,482 77	10,460 28	4,579 12	140,394 31	2,986,066 72
9	Houghton County Traction Co	2,099,601 70	104,180 05	19,611 10	26 03	12,273 28	*35 06*	31,875 35	2,235,657 10
10	Michigan Railway	.....	12,456,172 81	347,176 99	89,018 11	22,915 99	143,168 92	602,280 01	13,058,452 82
11	Grand Rapids, Holland & Chicago Ry	2,868,694 00	499,255 73	177,180 93	61,460 97	*76,030 00*	2,430 44	165,042 34	3,532,992 07
12	Michigan United Railways Co	11,580,789 63	7,576,570 82	474,924 75	399,739 71	*19,328 84*	49,609 68	904,945 30	20,062,305 75
13	Lansing Southern R. R.	.....	81,060 12	.....	.....	.....	.....	.....	81,060 12
14	Muskegon Traction & Lighting Co	a1,431,550 44	53,402 13	3,084 37	32,410 19	*550 00*	.....	34,944 56	1,519,897 13
15	Saginaw-Bay City Ry	.....	5,154,464 05	115,782 93	*2,213 68*	.....	7,512 34	121,081 59	5,275,545 64
16	Southern Michigan Ry	.....	3,280,830 68	8,533 16	2,569 29	76 64	116 82	11,295 91	3,292,126 59
17	Toledo, Ottawa Beach & Northern Ry	2,082,148 90	18,651 37	4,666 37	.....	33,088 74	.....	37,755 11	2,138,555 38
18	Toledo & Western R. R.	4,044,598 96	72,374 30	57,310 34	25,635 19	49,070 15	.....	132,015 68	4,248,988 94
	Total	$77,796,909 85	$39,884,304 44	$5,480,058 35	$1,975,047 93	$245,604 19	$465,471 54	$8,166,182 01	$125,847,396 30

a. Includes Gas and Electric Departments.
b. Reverse items appear in italic type.

TABLE NO. 2.—ROAD AND EQUIPMENT.—Concluded.

Number.	Railway.	Length of road owned—Miles. (9)	Average investment per mile of road. (10)	Length of track owned.—Miles. (11)	Average investment per mile of track. (12)	Retirements charged to depreciation during year.			Total credits to reserve account for depreciation during year. (16)
						Equipment. (13)	Other debits. (14)	Total.	
1	Benton Harbor-St. Joe Railway & Light Co.	49.69	$49,778 23	57.12	$43,303 22	.....	$15,707 04	$15,707 04	$32,680 53
2	Detroit, Jackson & Chicago Ry	98.40	48,267 00	110.16	43,138 00	.....	.....	.....	2,400 00
3	Detroit, Monroe & Toledo Short Line Ry	51.84	110,880 00	81.29	70,710 00	.....	.....	.....	2,400 00
4	Detroit & Port Huron Shore Line Ry	109.62	55,296 63	136.39	44,473 00	.....	.....	.....	2,400 00
5	Detroit United Railway	291.75	159,493 58	481.00	96,740 60	.....	.....	.....	12,000 00
6	Detroit, Almont & Northern R. R.	16.90	23,183 00	20.04	19,550 00	.....	.....	.....	.....
7	Escanaba Traction Co	16.35	89,239 43	16.35	89,239 43	.....	.....	.....	19,443 64
8	Gd. Rapids, Gd. Haven & Muskegon Ry	41.336	72,238 89	43.116	69,256 56	.....	4,824 00	4,824 00	38,161 57
9	Houghton County Traction Co	28.24	79,166 32	32.15	69,538 33	.....	.....	.....	.....
10	Michigan Railway	133.70	95,400 00	151.89	82,100 00	.....	16,068 17	16,068 17	180,858 89
11	Grand Rapids, Holland & Chicago Ry	44.67	79,090 93	76.47	46,096 00	.....	.....	.....	.....
12	Michigan United Railways Co	228.79	87,000 00	258.90	77,500 00	.....	.....	.....	.....
13	Lansing Southern R. R	1.94	41,783 56	2.03	39,931 00	.....	.....	.....	.....
14	Muskegon Traction & Lighting Co	14.52	.....	14.52	.....	.....	.....	.....	.....
15	Saginaw-Bay City Ry	48.06	109,769 98	62.70	84,139 48	.....	.....	.....	1,000 00
16	Southern Michigan Ry	32.05	102,719 03	34.05	96,685 61	.....	.....	.....	1,200 00
17	Toledo, Ottawa Beach & Northern Ry	12.90	a165,779 00	16.75	a127,674 90	.....	.....	.....	.....
18	Toledo & Western Ry	74.91	56,721 25	84.08	50,535 07	.....	.....	.....	6,350 28
	Total	1,295.66	$97,129 95	1,679.01	$75,548 92	.....	$36,599 21	$36,599 21	$298,894 91

a. Based on investment in electric light and power departments as well as railway.

TABLE NO. 3.—CAPITAL STOCK.

Number.	Railway.	Class of stock. (a)	Par value of amount authorized. (b)	Par value of amount nominally but not actually issued. (d)	Par value of amount actually issued to close of year. (e)	Par value of total amount re-acquired after actual issue and held alive. (g)	Par value of amount actually outstanding at close of year. (h)	Par value of stocks actually issued during present year. (n)	Amount of dividends declared during year.
1	Benton Harbor-St. Joe Railway & Light Co.	Common	$1,500,000 00	.....	$800,000 00	.....	$800,000 00	.....	.....
		First preferred	500,000 00	.....	400,000 00	.....	400,000 00	.....	$24,000 00
2	Detroit, Jackson & Chicago Ry	Common	614,000 00	.....	614,000 00	.....	614,000 00	$589,000 00	86,683 47
3	Detroit, Monroe & Toledo Short Line Ry	Common	2,581,000 00	.....	2,581,000 00	.....	2,581,000 00	.....	232,974 75
4	Detroit & Port Huron Shore Line Ry	Common	1,900,000 00	.....	1,900,000 00	.....	1,900,000 00	.....	157,169 21
		First preferred	100,000 00	.....	100,000 00	.....	100,000 00	.....	
5	Detroit United Railway	Common	12,500,000 00	.....	12,500,000 00	.....	12,500,000 00	.....	843,750 00
6	Detroit, Almont & Northern R. R.	Common	5,000 00	.....	5,000 00	.....	5,000 00	.....	.....
7	Escanaba Traction Co	Common	500,000 00	.....	500,000 00	.....	500,000 00	.....	15,000 00
8	Gd. Rapids, Gd. Haven & Muskegon Ry	Common	1,200,000 00	.....	1,200,000 00	.....	1,200,000 00	.....	51,000 00
9	Houghton County Traction Co	Common	750,000 00	.....	750,000 00	.....	750,000 00	.....	.....
		First preferred	500,000 00	.....	207,200 00	.....	207,000 00	.....	12,432 00
10	Michigan Railway	Common	6,000,000 00	.....	4,392,000 00	.....	4,392,000 00	1,392,000 00	.....
11	Grand Rapids, Holland & Chicago Ry	Common	500,000 00	$500,000 00	487,900 00	.....	487,900 00	.....	.....
		First preferred	850,000 00	850,000 00	836,800 00	.....	836,800 00	.....	.....
12	Michigan United Railways Co	Common	6,000,000 00	.....	6,000,000 00	.....	6,000,000 00	.....	180,000 00
		First preferred	1,000,000 00	.....	1,000,000 00	.....	1,000,000 00	.....	60,000 00
13	Lansing Southern R. R	Common	50,000 00	.....	3,100 00	.....	3,100 00	.....	.....
14	Muskegon Traction & Lighting Co	Common	600,000 00	.....	600,000 00	.....	600,000 00	.....	.....
		First preferred	100,000 00	37,000 00	63,000 00	.....	63,000 00	.....	3,780 00
15	Saginaw-Bay City Ry	Common	2,600,000 00	.....	2,600 000 00	.....	2,600,000 00	.....	.....
16	Southern Michigan Ry	Common	2,000,000 00	.....	2,000,000 00	.....	2,000,000 00	.....	.....
17	Toledo, Ottawa Beach & Northern Ry	Common	1,500,000 00	.....	1,500,000 00	.....	1,500,000 00	.....	.....
18	Toledo & Western R. R	Common	2,000,000 00	.....	2,000,000 00	.....	2,000,000 00	.....	.....
	Total	.....	$45,850,000 00	$1,387,000 00	$43,040,000 00	.....	$43,040,000 00	$1,981,000 00	$1,666,789 43

TABLE NO. 4.—UNMATURED FUNDED DEBT.

Number.	Railway.	Class and amount actually outstanding.		Amount nominally but not actually issued.		Reacquired after actual issue and held alive by or for respondent.		Interest during year on actually outstanding debt.		Par value of evidences of debt actually issued during present year. (9)
		Mortgage bonds. (1)	Collateral trust bonds, etc. (2)	Held by respondent unencumbered. (3)	Pledged or otherwise encumbered. (4)	Unencumbered. (5)	Pledged or otherwise encumbered. (6)	Interest accrued. (7)	Interest paid. (8)	
1	Benton Harbor-St. Joe Railway & Light Co.	$1,409,000 00	.....	.....	.....	.....	.....	$70,487 48	$70,393 05	$21,000 00
2	Detroit, Jackson & Chicago Ry	4,000,000 00	.....	.....	.....	.....	.....	198,900 00	198,900 00	.....
3	Detroit, Monroe & Toledo Short Line Ry	2,941,000 00	.....	.....	.....	.....	.....	147,050 00	147,050 00	.....
4	Detroit & Port Huron Shore Line Ry	2,890,000 00	.....	.....	.....	.....	.....	139,500 00	139,500 00	.....
5	Detroit United Railway	22,150,000 00	$3,500,000 00	$250,000 00	$2,565,000 00	$35,000 00	.....	1,189,054 12	1,189,054 12	3,500,000 00
6	Detroit, Almont & Northern Railroad	400,000 00	.....	.....	.....	.....	.....	.....	.....	.....
7	Escanaba Traction Co	760,000 00	.....	.....	.....	.....	.....	.....	36,000 00	.....
8	Gd. Rapids, Gd. Haven & Muskegon Ry	1,500,000 00	.....	.....	.....	.....	.....	75,000 00	75,000 00	.....
9	Houghton County Traction Co	1,036,000 00	.....	28,500 00	.....	52,000 00	.....	54,103 33	54,103 33	.....
10	Michigan Railway	6,000,000 00	.....	.....	7,500,000 00	.....	.....	356,000 00	360,000 00	1,000,000 00
11	Grand Rapids, Holland & Chicago Ry	1,475,000 00	.....	575,000 00	.....	.....	.....	73,750 00	73,750 00	.....
12	Michigan United Railways Co	12,470,000 00	.....	.....	.....	.....	$517,000 00	621,926 90	621,926 90	.....
13	Lansing Southern Railroad	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Muskegon Traction & Lighting Co	600,000 00	.....	.....	.....	.....	.....	30,000 00	30,000 00	.....
15	Saginaw-Bay City Railway	2,471,000 00	.....	.....	.....	.....	.....	115,937 20	123,550 00	.....
16	Southern Michigan Railway	1,150,000 00	.....	45,000 00	13,000 00	.....	66,000 00	56,066 67	57,500 00	.....
17	Toledo, Ottawa Beach & Northern Ry	450,000 00	.....	.....	.....	50,000 00	.....	22,500 00	.....	.....
18	Toledo & Western Railroad	2,000,000 00	.....	.....	.....	.....	.....	100,000 00	87,250 00	.....
	Total	$63,702,000 00	$3,500,000 00	$898,500 00	$10,078,000 00	$137,000 00	$583,000 00	$3,250,275 70	$3,263,977 40	$4,521,000 00

TABLE NO. 5.—PROFIT AND LOSS.

Number.	Railway.	Credits.						Debits.	
		Credit balance at beginning of fiscal period. (301)	Credit balance transferred from income account. (302)	Profit on road and equipment sold. (303)	Delayed income credits. (304)	Miscellaneous credits. (306)	Total credits.	Debit balance at beginning of fiscal period. (308)	Debit balance transferred from income account. (309)
1	Benton Harbor-St. Joe Ry. & Light Co.	$59,350 27	$51,910 11				$111,260 38		
2	Detroit, Jackson & Chicago Ry.			$86,683 47			86,683 47		
3	Detroit, Monroe & Toledo Short Line Ry.		232,974 75				232,974 75		
4	Detroit & Port Huron Shore Line Ry.		157,169 21				157,169 21		
5	Detroit United Railway	6,801,420 38	2,880,792 13				9,682,212 51		
6	Detroit, Almont & Northern R. R.								
7	Escanaba Traction Co.	149,313 75	19,236 10				168,549 85		
8	Gd. Rapids, Gd. Haven & Muskegon Ry.	8,387 73	54,091 71			$2,190 75	64,670 19		
9	Houghton County Traction Co.	132,801 43	87,138 77				219,940 20		
10	Michigan Railway	27,325 76					27,325 76		$126,569 40
11	Grand Rapids, Holland & Chicago Ry.							$34,503 23	
12	Michigan United Railways Co.	279,853 89	220,000 00				499,853 89		
13	Lansing Southern Railroad	9,284 26	1,316 37				10,600 63		
14	Muskegon Traction & Lighting Co.	181,339 77	30,003 22				211,342 99		
15	Saginaw-Bay City Railway		29,748 20				29,748 20	24,001 71	
16	Southern Michigan Railway	147,892 44	40,797 90			4,410 83	193,101 17		
17	Toledo, Ottawa Beach & Northern Ry.	187,539 06	23,680 27				211,219 33		
18	Toledo & Western Railroad					503 74	503 74	336,177 00	52,716 52
	Total	$7,984,508 74	$3,828,858 74	$86,683 47		$7,105 32	$11,907,156 27	$394,681 94	$179,285 92

TABLE NO. 5.—PROFIT AND LOSS.—Concluded.

Number.	Railway.	Debits.						Balance carried to balance sheet.	
		Dividend appropriation of surplus. (310)	Debt discount extinguished through surplus. (313)	Miscellaneous appropriations of surplus. (314)	Delayed income debits. (316)	Miscellaneous debits. (317)	Total.	Debit.	Credit.
1	Benton Harbor-St. Joe Railway & Light Co.	$24,000 00	.....	.....	.....	$32 50	$24,032 50	.....	$87,227 88
2	Detroit, Jackson & Chicago Ry	86,683 47	.....	.....	.....	.....	86,683 47	.....	.....
3	Detroit, Monroe & Toledo Short Line Ry	232,974 75	.....	.....	.....	.....	232,974 75	.....	.....
4	Detroit & Port Huron Shore Line Ry	157,169 21	.....	.....	.....	.....	157,169 21	.....	.....
5	Detroit United Railway	843,750 00	$105,000 00	$800,000 00	.....	62,000 00	1,810,750 00	.....	7,871,462 51
6	Detroit, Almont & Northern R. R.	.....	.....	.....	.....	.....	.....	.....	.....
7	Escanaba Traction Co	15,000 00	.....	.....	.....	.....	15,000 00	.....	153,549 85
8	Gd. Rapids, Gd. Haven & Muskegon Ry	51,000 00	.....	2,652 49	.....	.....	53,652 49	.....	11,017 70
9	Houghton County Traction Co	12,432 00	.....	.....	.....	49,000 00	a87,184 50	.....	132,755 70
10	Michigan Railway	.....	.....	.....	.....	.....	126,569 40	$99,243 64	.....
11	Grand Rapids, Holland & Chicago Ry	.....	.....	.....	.....	.....	34,503 23	34,503 23	.....
12	Michigan United Railways Co	210,000 00	.....	.....	.....	.....	210,000 00	.....	289,853 89
13	Lansing Southern R. R.	.....	.....	.....	.....	.....	.....	.....	10,600 63
14	Muskegon Traction & Lighting Co	3,780 00	.....	.....	.....	.....	3,780 00	.....	207,562 99
15	Saginaw-Bay City Ry	.....	.....	.....	.....	.....	24,001 71	.....	5,746 49
16	Southern Michigan Ry	.....	.....	.....	.....	.....	.....	.....	193,101 17
17	Toledo, Ottawa Beach & Northern Ry	.....	.....	.....	.....	16 00	16 00	.....	211,203 33
18	Toledo & Western R. R.	.....	.....	.....	.....	.....	388,893 52	388,389 78	.....
	Total	$1,636,789 43	$105,000 00	$802,652 49	.....	$111,048 50	$3,255,210 78	$522,136 65	$9,174,082 14

a. Includes item 309, $25,752.50 "Appropriation of surplus to sinking fund and other reserves."

TABLE NO. 6.—INCOME STATEMENT FOR THE YEAR.

Number.	Railway.	Operating income.							Non-operating income.	
		Railway operating revenues. (201)	Railway operating expenses. (213)	Net revenue. Railway operations.	Net revenue. Auxiliary operations.	Net operating revenue.	Taxes assignable to railway operations. (215)	Operating income.	Miscellaneous rent income. (204)	Net income from miscellaneous physical property. (205)
1	Benton Harbor-St. Joe Ry. & Light Co.	$265,923 54	$196,032 52	$69,891 02	$84,750 00	$154,641 02	$21,068 40	$133,572 62	.....	$49 00
2	Detroit, Jackson & Chicago Ry.	864,134 77	547,744 90	316,389 87	.....	316,389 87	30,000 00	286,389 87	.....	.....
3	Detroit, Monroe & Toledo Short Line Ry.	907,915 03	469,039 05	438,875 98	.....	438,875 98	57,451 86	381,424 12	.....	.....
4	Detroit & Port Huron Shore Line Ry.	1,056,436 14	714,264 54	342,171 60	.....	342,171 60	44,081 47	298,090 13	.....	.....
5	Detroit United Railway	13,161,366 06	9,307,019 98	3,854,346 08	.....	3,854,346 08	365,739 00	3,488,607 08	.....	.....
7	Escanaba Traction Co.	142,141 03	72,442 66	69,698 37	.....	69,698 37	11,862 27	57,836 10	.....	.....
8	Gd. Rapids, Gd. Haven & Musk. Ry.	447,811 20	288,209 08	159,602 12	.....	159,602 12	18,827 54	140,774 58	.....	.....
9	Houghton County Traction Co.	325,935 19	164,039 10	161,896 09	.....	161,896 09	22,419 91	139,476 18	.....	.....
10	Michigan Railway	3,364,997 41	2,045,579 90	1,319,417 51	.....	1,319,417 51	38,000 00	1,281,417 51	.....	.....
11	Grand Rapids, Holland & Chicago Ry.	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Michigan United Railways Co.	.....	.....	.....	.....	.....	70,825 10	*70,825 10*		
13	Lansing Southern R. R.	.....	1,180 00	*1,180 00*	.....	*1,180 00*	.....	*1,180 00*	.....	.....
14	Muskegon Traction & Lighting Co.	222,907 13	158,822 69	64,084 44	.....	64,084 44	13,844 60	50,239 84	$20,401 79	.....
15	Saginaw-Bay City Ry.	594,654 49	382,319 52	212,334 97	4,261 77	216,596 74	27,810 01	188,786 73	.....	.....
16	Southern Michigan Ry.	232,980 48	126,489 90	106,490 58	.....	106,490 58	7,200 00	99,290 58	.....	.....
17	Toledo, Ottawa Beach & Northern Ry.	129,969 27	90,295 74	39,673 53	5,588 83	45,262 36	2,364 29	42,898 07	.....	.....
18	Toledo & Western R. R.	365,917 26	303,299 76	62,617 50	11,200 14	73,817 64	15,805 14	58,012 50	.....	.....
	Total	$22,083,089 00	$14,866,779 34	$7,216,309 66	$105,800 74	$7,322,110 40	$747,299 59	$6,574,810 81	$20,401 79	$49 00

Deficits appear in italic type.

TABLE NO. 6.—INCOME STATEMENT FOR THE YEAR.—Continued.

Number.	Railway.	Non-operating income.							Gross income.
		Dividend income. (206)	Income from funded securities. (207)	Income from unfunded securities and accounts. (208)	Income from sinking fund and other reserves. (209)	Contributions from others. (211)	Miscellaneous income. (211)	Total non-operating income.	
1	Benton Harbor-St. Joe Railway & Light Co.			$307 44			$51 99	$408 43	$133,981 05
2	Detroit, Jackson & Chicago Ry								286,389 87
3	Detroit, Monroe & Toledo Short Line Ry								381,424 12
4	Detroit & Port Huron Shore Line Ry								298,090 13
5	Detroit United Railway	$624,812 40	$15,050 00	15,883 30				655,745 70	4,144,352 78
7	Escanaba Traction Co								57,836 10
8	Gd. Rapids, Gd. Haven & Muskegon Ry			601 53				601 53	141,376 11
9	Houghton County Traction Co			463 00				463 00	139,939 18
10	Michigan Railway			2,955 66			1,450 00	4,405 66	1,285,823 17
11	Grand Rapids, Holland & Chicago Ry							a137,270 07	137,270 07
12	Michigan United Railways Co							b919,122 50	848,297 40
13	Lansing Southern R. R							c3,367 43	2,187 43
14	Muskegon Traction & Lighting Co						15,989 49	36,391 28	86,631 12
15	Saginaw-Bay City Ry			30 00	$728 65		1,852 35	2,611 00	191,397 73
16	Southern Michigan Ry			456 98				456 98	99,747 56
17	Toledo, Ottawa Beach & Northern Ry			3,582 20				3,582 20	46,480 27
18	Toledo & Western R. R								58,012 50
	Total	$624,812 40	$15,050 00	$24,280 11	$728 65		$19,343 83	$1,764,425 78	$8,339,236 59

a. This includes item 203, "Income from lease of road" $137,270.07.
b. This includes item 203, "Income from lease of road" $919,122.50.
c. This includes item 203, "Income from lease of road" $3,367.43.

TABLE NO. 6.—INCOME STATEMENT FOR THE YEAR.—Concluded.

Number.	Railway.	Deductions from gross income.								Income balance transferred to profit and loss.
		Rent for leased road. (216)	Miscellaneous taxes. (218)	Interest on funded debt. (220)	Interest on unfunded debt. (221)	Amortization of discount on funded debt (222)	Income transferred to other companies. (223)	Miscellaneous debits. (225)	Total deductions from gross income.	
1	Benton Harbor-St. Joe Railway & Light Co.	$2,000 04	$12 67	$70,393 05	$5,966 41	$3,377 96	.....	$320 81	$82,070 94	$51,910 11
2	Detroit, Jackson & Chicago Ry	.....	.....	198,900 00	.....	.....	.....	806 40	199,706 40	86,683 47
3	Detroit, Monroe & Toledo Short Line Ry	.....	.....	147,050 00	300 00	.....	.....	1,099 37	148,449 37	232,974 75
4	Detroit & Port Huron Shore Line Ry	.....	.....	139,500 00	786 48	.....	.....	634 44	140,920 92	157,169 21
5	Detroit United Railway	23,033 33	.....	1,218,455 31	18,321 71	.....	.....	3,750 30	1,263,560 65	2,880,792 13
7	Escanaba Traction Co	.....	.....	38,500 00	100 00	.....	.....	.....	38,600 00	19,236 10
8	Gd. Rapids, Gd. Haven & Muskegon Ry	.....	.....	75,000 00	12,284 40	.....	.....	.....	87,284 40	54,091 71
9	Houghton County Traction Co	.....	.....	52,799 17	1 24	.....	.....	.....	52,800 41	87,138 77
10	Michigan Railway	1,056,392 57	.....	356,000 00	.....	.....	.....	.....	1,412,392 57	*126,569 40*
11	Grand Rapids, Holland & Chicago Ry	.....	13,503 04	73,750 00	50,017 03	.....	.....	.....	137,270 07	.....
12	Michigan United Railways Co	.....	.....	621,969 90	360 00	.....	.....	5,967 50	628,297 40	220,000 00
13	Lansing Southern Railroad	.....	871 06	.....	.....	.....	.....	.....	871 06	1,316 37
14	Muskegon Traction & Lighting Co	.....	.....	30,000 00	8,627 90	.....	.....	18,000 00	56,627 90	30,003 22
15	Saginaw-Bay City Railway Co	.....	.....	115,937 20	35,477 03	3,466 44	.....	.....	a161,649 53	29,748 20
16	Southern Michigan Railway	.....	.....	56,066 67	2,882 99	.....	.....	.....	58,949 66	40,797 90
17	Toledo, Ottawa Beach & Northern Railway	.....	300 00	22,500 00	.....	.....	.....	.....	22,800 00	23,680 27
18	Toledo & Western Railroad	.....	3,011 85	100,000 00	7,717 17	.....	.....	.....	110,729 02	*58,716 58*
	Total	$1,081,425 94	$17,698 62	$3,316,821 30	$142,842 36	$6,844 40	.....	$30,578 82	$4,602,980 30	$3,736,256 29

a. This includes item 217, "Miscellaneous Rents" $6,768.86.
Deficits appear in italic type.

TABLE NO. 7.—RAILWAY OPERATING REVENUES.

Number.	Railway.	Revenue from transportation.							
		Passenger revenue. (101)	Baggage revenue. (102)	Par'or, sleeping, dining and special car revenue. (103)	Mail revenue. (104)	Express revenue. (105)	Milk revenue. (106)	Freight revenue. (107)	Switching revenue (108)
1	Benton-Harbor St. Joe Ry. & Light Co.	$205,437 44	$ 335 81	$1,010 93	$250 00	$ 2,854 43	$3,553 18	$42,594 34	.....
2	Detroit, Jackson & Chicago Ry.	656,113 32	1,327 65	3,234 00	.....	6,995 66	12,363 27	145,563 35	.....
3	Detroit, Monroe & Toledo Short Line Ry.	724,239 62	3,449 35	4,200 28	.....	18,624 92	7,156 42	106,428 54	.....
4	Detroit & Port Huron Shore Line Ry.	843,813 67	7,959 51	5,057 50	6,617 89	5,697 88	19,500 05	103,552 22	.....
5	Detroit United Ry.	12,528,206 29	3,747 46	33,986 14	4,475 19	5,308 83	74,939 62	337,816 47	.....
7	Escanaba Traction Co.	71,584 74	610 25	.....	1,339 18	456 50	.....	2,942 83	.....
8	Grand Rapids, Grand Haven & Muskegon Ry.	314,938 66	.....	.....	3,577 30	a13,207 81	.....	109,786 44	.....
9	Houghton County Traction Co.	316,959 60	52 70	2,733 00	1,228 62	2,222 50	.....	.....	.....
10	Michigan Railway	2,902,206 80	21,442 91	16,493 62	3,098 98	22,266 60	18,584 17	337,442 51	$39 30
14	Muskegon Traction & Lighting Co.	216,124 29	1,719 46	198 95	.....	.....	.....	.....	.....
15	Saginaw-Bay City Ry.	554,636 51	409 84	2,166 87	284 16	.....	.....	.....	.....
16	Southern Michigan Ry.	198,497 86	880 99	1,537 50	1,040 74	3,797 72	1,654 56	24,471 96	.....
17	Toledo, Ottawa Beach & Northern Ry.	124,823 44	510 81	1,159 40	.....	.....	385 00	2,882 12	.....
18	Toledo & Western Railroad	183,188 02	631 50	1,198 95	5,536 43	3,841 08	19,523 46	147,088 96	276 87
	Total	$19,840,770 26	$43,078 24	$72,977 14	$27,448 49	$85,273 93	$157,659 73	$1,360,569 74	$316 17

a. Baggage revenue included in this item.

TABLE NO. 7.—RAILWAY OPERATING REVENUES.—Continued.

Number.	Railway.	Revenue from transportation.		Revenue from other railway operations.				
		Miscellaneous. (109)	Total.	Station and car privileges. (110)	Parcel-room receipts. (111)	Storage. (112)	Demurrage. (113)	Telephone and telegraph service. (114)
1	Benton Harbor-St. Joe Ry. & Light Co.	$138 13	$256,174 26	$637 54	$67 60	.....	$20 00	.....
2	Detroit, Jackson & Chicago Ry.	3,396 70	828,993 95	4,186 01	175 40	$612 59	.....	.....
3	Detroit, Monroe & Toledo Short Line Ry.	4,042 59	868,141 72	2,968 79	5 00	560 38	372 00	.....
4	Detroit & Port Huron Shore Line Ry.	19,098 49	1,011,297 21	5,666 69	438 80	218 40	183 00	.....
5	Detroit United Railway	13,483 48	13,001,963 48	85,682 21	11,641 95	1,145 71	449 00	.....
7	Escanaba Traction Co.	7 85	76,941 35	840 00	.....	.....	.....	.....
8	Grand Rapids, Grand Haven & Muskegon Ry.	.....	441,510 21	1,410 39	.....	.....	.....	.....
9	Houghton County Traction Co.	.....	323,196 42	963 70	.....	.....	.....	.....
10	Michigan Railway	.....	3,321,574 59	10,882 47	1,067 98	222 56	325 00	.....
14	Muskegon Traction & Lighting Co.	.....	218,042 70	420 00	.....	.....	.....	.....
15	Saginaw—Bay City Ry.	1,135 60	558,632 98	2,315 74	.....	.....	.....	.....
16	Southern Michigan Ry.	.....	231,881 33	485 85	89 47	.....	.....	.....
17	Toledo, Ottawa Beach & Northern Railway	58 50	129,819 27	150 00	.....	.....	.....	.....
18	Toledo & Western Railroad	1,686 28	362,971 55	400 14	.....	41 41	1,737 00	$110 82
	Total	$43,047 62	$21,631,141 02	$117,009 53	$13,486 20	$2,801 05	$3,086 00	$110 82

TABLE NO. 7.—RAILWAY OPERATING REVENUES.—Concluded.

Number.	Railway.	Revenue from other railway operations.						Total operating revenues.
		Rent of tracks and facilities. (115)	Rent of equipment. (116)	Rent of buildings and other property. (117)	Power. (118)	Miscellaneous. (119)	Total.	
1	Benton Harbor-St. Joe Railway & Light Co.	$7,857 85	.....	.....	.....	$1,166 29	$9,749 28	$265,923 54
2	Detroit, Jackson & Chicago Ry.	1,130 73	$28,267 09	$769 00	.....	.....	35,140 82	864,134 77
3	Detroit, Monroe & Toledo Short Line Ry.	4,214 76	26,884 34	3,218 04	.....	1,550 00	39 773 31	907 915 03
4	Detroit & Port Huron Shore Line Ry.	1,524 25	34,880 64	2,005 40	$221 75	.....	45,138 93	1,056,436 14
5	Detroit United Railway	35,141 22	600 00	22,462 81	1,076 55	1,203 13	159,402 58	13,161,366 06
7	Escanaba Traction Co.	.....	.....	.....	64,359 68	.....	65,199 68	142,141 03
8	Grand Rapids, Grand Haven & Muskegon Ry.	1,000 00	.....	1,415 35	.....	2,475 25	6,300 99	447,811 20
9	Houghton County Traction Co.	.....	.....	1,280 00	33 00	462 07	2,738 77	325,935 19
10	Michigan Railway	4,270 75	12,375 18	11,760 44	1,060 17	1,458 27	43,422 82	3,364,997 41
14	Muskegon Traction & Lighting Co.	4,444 43	.....	.....	.....	.....	4,864 43	222,907 13
15	Saginaw-Bay City Railway	29,504 06	.....	3,182 01	300 00	719 67	36,021 51	594,654 49
16	Southern Michigan Railway	103 83	.....	420 00	.....	.....	1,099 15	232,980 48
17	Toledo, Ottawa Beach & Northern Railway	.....	.....	.....	.....	.....	150 00	129,969 27
18	Toledo & Western Raiwaly	.....	.....	.....	186 00	470 34	2,945 71	365,917 26
	Total	$89,191 88	$103,007 25	$46,513 05	$67,237 15	$9,505 02	$451,947 98	$22,083,089 00

TABLE NO. 8.—RAILWAY OPERATING EXPENSES.

Number.	Railway.	Ways and structures. (I)	Equipment. (II)	Power. (III)	Conducting transportation. (IV)	Traffic. (V)	General and Miscel'aneous. (VI)	Transportation for investment. (VII)	Grand total.	Operating ratio. Per cent.
1	Benton Harbor-St. Joe Railway & Light Co...	$35,361 16	$16,996 42	$52,090 28	$68,070 00	$4,309 05	$19,205 61	.....	$196,032 52	66.79
2	Detroit, Jackson & Chicago Railway Co.....	98,835 13	54,258 36	90,016 39	228,462 68	3,885 04	72,287 30	.....	547,744 90	63.39
3	Detroit, Monroe & Toledo Short Line Ry....	109,731 12	41,285 37	57,232 57	153,188 05	3,484 88	104,117 06	.....	469,039 05	51.66
4	Detroit & Port Huron Shore Line Ry.....	159,836 51	74,174 97	119,474 41	268,035 28	4,622 25	88,121 12	.....	714,264 54	67.61
5	Detroit United Railway.....	1,722,454 17	916,084 94	1,202,975 11	4,130,132 81	67,753 29	1,267,619 66	.....	9,307,019 98	70.71
7	Escanaba Traction Co.....	12,754 53	13,656 64	20,598 41	15,402 79	.....	10,030 29	.....	72,442 66	51.50
8	Grand Rapids, Grand Haven & Muskegon Ry.	27,662 78	49,667 84	40,119 02	94,835 21	8,893 26	67,030 97	.....	288,209 08	64.50
9	Houghton County Traction Co.....	28,871 11	18,661 87	32,194 98	51,218 88	2,805 13	30,287 13	.....	164,039 10	50.3
10	Michigan Railway.....	233,480 13	370,487 86	297,820 69	852,707 87	39,734 34	251,349 01	.....	2,045,579 90	60.79
14	Muskegon Traction & Lighting Co.....	18,148 73	18,612 95	36,280 77	66,728 26	.....	19,051 98	.....	158,822 69	.....
15	Saginaw-Bay City Railway.....	29,133 60	40,430 13	74,624 56	174,161 96	1,581 88	62,387 39	.....	382,319 52	64.12
16	Southern Michigan Railway.....	13,416 66	11,429 03	34,975 88	30,918 44	771 81	34,978 13	.....	126,489 90	54.10
17	Toledo, Ottawa Beach & Northern Ry.....	7,366 48	.....	8,856 66	25,370 05	7,008 82	41,693 73	.....	90,295 74	69.47
18	Toledo & Western Railroad.....	49,272 48	28,607 17	58,279 11	96,379 82	6,412 02	64,349 16	.....	303,299 76	82.89
	Total.....	$2,546,324 59	$1,654,353 55	$2,125,538 84	$6,255,612 10	$151,261 77	$2,132,508 54	.....	$14,865,599 34	67.40

TABLE NO. 9.—MILES OF ROAD OPERATED AT CLOSE OF YEAR.

(Single track.)

Number.	Railway.	Line owned.		Line of proprietary companies.	Line operated under lease.	Line operated under contract, etc.	Line operated under trackage rights.	Total mileage operated.	
		Main line.	Branches and spurs.					Michigan.	Entire line.
1	Benton Harbor-St. Joe Ry. & Light Co.	46.69			3.00			49.69	49.69
2	Detroit, Jackson & Chicago Ry.	98.40						98.40	98.40
3	Detroit Monroe & Toledo Short Line Ry.	51.84					3.64	49.00	55.48
4	Detroit & Port Huron Shore Line Ry.	109.62						109.62	109.62
5	Detroit United Ry.	293.63				16.90		310.53	310.53
7	Escanaba Traction Co.	14.013						14.013	14.013
8	Grand Rapids, Grand Haven & Muskegon Ry.	33.0681	8.267				6.32	47.656	47.656
9	Houghton County Traction Co.	28.24						28.24	28.24
10	Michigan Railway	133.70		1.94	271.52			407.16	407.16
14	Muskegon Traction & Lighting Co.	12.91						12.91	12.91
15	Saginaw-Bay City Railway	48.06						48.06	48.06
16	Southern Michigan Railway	32.05				.78	1.96	28.96	34.79
17	Toledo, Ottawa Beach & Northern Ry.	16.21	.54				4.92	11.44	21.67
18	Toledo & Western Railroad	74.91					5.40	24.66	80.31
	Total	993.34	8.81	1.94	274.52	17.68	22.24	1,240.34	1,318.53

TABLE NO. 9.—MILES OF ROAD OPERATED AT CLOSE OF YEAR.—Concluded.

(All tracks.)

Number.	Railway.	Total mileage operated.							New line,—miles constructed during year.
		Interurban and suburban (first main track.)		City lines—Michigan. First main track—miles.	Miles of second main track.	Miles of sidings and turnouts.	Miles of track in shops and carhouses.	Total miles of tracks.	
		Michigan.	Entire line.						
1	Benton Harbor-St. Joe Railway & Light Co.	39.33	39.33	10.36c	4.73	5.70	.....	60.12	.....
2	Detroit, Jackson & Chicago Ry.	94.86	94.86	3.54	3.80	6.52	1.44	110.16	.....
3	Detroit, Monroe & Toledo Short Line Ry.	49.00	51.84	.....	i22.78	6.08	.59	88.57	.....
					3.64				
4	Detroit & Port Huron Shore Line Ry.	98.53	98.53	11.09	9.05	15.62	2.10	136.39	.....
5	Detroit United Railway	178.49	178.49	132.04	135.91	25.39	33.17	505.00	.....
7	Escanaba Traction Co.	14.013	14.013	.....	1.36	.95	.025	16.35	.....
8	Grand Rapids, Grand Haven & Muskegon Ry.	47.656	47.656	.....	.....	1.78	.51	49.95	.....
9	Houghton County Traction Company	28.24	28.24	.....	2.88	.41	.62	32.15	.....
10	Michigan Railway	318.68	318.68	88.48	51.09	29.01	.....	487.26	.....
14	Muskegon Traction & Lighting Co.	10.31	10.31	2.61	.55	1.15	.....	14.62	.....
15	Saginaw-Bay City Railway Co.	10.11	10.11	37.95	14.24	.40	.....	62.70	.....
16	Southern Michigan Railway	28.96	34.79	.....	.85	.86	.37	36.87	.....
17	Toledo, Ottawa Beach & Northern Ry.	11.44	17.28	.....	8.77	.54	.....	26.59	.....
18	Toledo & Western Railroad	23.16	74.91	1.50	c3.90	9.17	.....	93.38	.....
	Total	903.78	1,019.04	287.57	263.55	103.58	38.83	1,720.11	.....

c. City line.
i. Interurban and suburban lines.

TABLE NO. 10.—MILEAGE, TRAFFIC, AND MISCELLANEOUS STATISTICS.

Number.	Railway.	Car mileage.			Car hours.			Passengers carried.		
		Passenger. (1)	Freight, mail and express. (2)	Total. (3)	Passenger. (4)	Freight, mail, and express. (5)	Total. (6)	Regular fare passengers. (7)	Revenue transfer passengers. (8)	Total revenue passengers. (9)
1	Benton Harbor-St. Joe Railway & Light Co..	1,108,414	98,425	1,206,839	102,997	9,469	112,466	3,336,596	.....	3,336,596
2	Detroit, Jackson & Chicago Ry.....	1,944,854	205,716	2,150,570	124,868	29,656	154,524	3,969,121	.....	3,969,121
3	Detroit, Monroe & Toledo Short Line Ry...	1.411,133	190,229	1,601,862	67,595	23,542	91,137	2,818,542	.....	2,818,542
4	Detroit & Port Huron Shore Line Ry.....	2,699,753	192,059	2,891,812	203,953	36,866	240,819	7,000,987	.....	7,000,987
5	Detroit United Railway.....	45,378,048	749,088	46,127,136	4,961,882	84,445	5,046,327	315,297,655	.....	315,297,655
7	Escanaba Traction Co.....	292,330	357	292,687	35,405	127	35,532	997,130	.....	997,130
8	Grand Rapids, Grand Haven & Muskegon Ry..	710,191	257,101	967,292	52,858	19,810	72,668	1,154,161	.....	1,154,161
9	Houghton County Traction Co.....	787,522	.....	787,522	70,002	.....	70,002	6,339,182	.....	6,339,182
10	Michigan Railway.....	9,119,362	817,806	9,937,168	812,608	65,259	877,867	31,458,783	4,136,948	35,595,731
14	Muskegon Traction & Lighting Co.....	934,996	15,900	950,896	106,509	1,600	108,109	4,620,217	.....	4,620,217
15	Saginaw-Bay City Railway Co.....	2,594,862	.....	2,594,862	301,641	.....	301,641	12,163,337	2,713,543	14,876,880
16	Southern Michigan Railway.....	463,564	72,125	535,689	21,935	3,379	25,314	1,018,155	.....	1,018,155
17	Toledo, Ottawa Beach & Northern R. R.....	489,716	7,752	497,468	35,575	1,908	37,483	1,796,996	.....	1,796,996
18	Toledo & Western Railroad.....	649,070	208,243	857,313	37,937	18,725	56,662	863,221	.....	863,221
	Total.....	68,583,815	2,814,801	71,398,616	6,935,765	294,786	7,230,551	392,834,083	6,850,491	399,684,574

TABLE NO. 10.—MILEAGE, TRAFFIC, AND MISCELLANEOUS STATISTICS.—Continued.

Number.	Railway.	Passengers carried.		Employees and others carried free. (12)	Passenger revenue (13)	Average fare revenue passengers. (14)	Average fare all passengers including transfer passengers. (15)	Total revenue from transportation. (16)	Revenue from transportation per car-mile. (17)	Revenue from transportation per car-hour. (18)
		Free transfer passengers. (10)	Total. (11)							
1	Benton Harbor-St. Joe Railway & Light Co.	255,169	3,591,765	135,273	$205,437 44	$ .06157	$ .05719	$256,174 26	$ .21226	$2.27779
2	Detroit, Jackson & Chicago Ry.	9,209	3,978,330	93,907	656,113 32	1.6531	1.6493	828,993 95	.38557	5.36561
3	Detroit Monroe & Toledo Short Line Ry.	4	2,818,546	55,903	724,239 62	.25700	.25700	868,141 72	.54225	9.52640
4	Detroit & Port Huron Shore Line Ry.	377,378	7,378,365	264,391	843,813 67	.12054	.11436	1,011,297 21	.34981	4.19971
5	Detroit United Ry.	118,496,639	433,794,294	8,238,754	12,528,206 29	.03973	.02888	13,001,963 48	.28187	2.57653
7	Escanaba Traction Co.	54,278	1,051,408	33,058	71,584 74	.07179	.06808	76,941 35	.26287	2.16541
8	Grand Rapids, Grand Haven & Muskegon Ry.	.....	1,154,161	108,834	314,938 66	.27287	.27287	441,510 21	.45643	6.07571
9	Houghton County Traction Co.	229,420	6,568,602	105,270	316,959 60	.050	.04825	323,196 42	.4104	4.61696
10	Michigan Railway	.....	35,595,731	.....	2,902,206 80	.09225	.08135	3,321,574 59	.33425	3.78368
14	Muskegon Traction & Lighting Co.	574,107	5,194,324	23,412	216,124 29	.04678	.0416	218,042 70	.23320	2.01688
15	Saginaw-Bay City Railway	.....	14,876,880	.....	554,636 51	.04563	.03728	558,632 98	.21528	1.8520
16	Southern Michigan Railway	12,908	1,031,063	23,658	198,497 86	.19496	.19252	231,881 33	.43286	9.16020
17	Toledo, Ottawa Beach & Northern Ry.	194,769	1,991,765	34,337	124,823 44	.06946	.06267	129,819 27	.26096	3.46342
18	Toledo & Western R. R.	.....	863,221	29,601	183,188 02	.21222	.21222	362,971 55	.42338	6.40591
	Total	120,203,881	519,888,455	9,146,398	$19,840,770 26	$.04966	$.03810	$21,631,141 02	$.30294	$2.9916

TABLE NO. 10.—MILEAGE, TRAFFIC, AND MISCELLANEOUS STATISTICS.—Concluded.

Number.	Railway.	Total revenue from other railway operations. (19)	Revenue from other railway operations per car-mile. (20)	Revenue from other railway operations per car-hour. (21)	Total operating revenues. (22)	Operating revenues per car-mile. (23)	Operating revenues per car-hour. (24)	Total operating expenses. (25)	Operating expenses per car-mile. (26)	Operating expenses per car-hour. (27)
1	Benton Harbor-St. Joe Railway & Light Co.	$9,749 28	$.00807	$.08668	$265,923 54	$.22034	$2.36448	$196,032 52	$.16243	$1.74126
2	Detroit, Jackson & Chicago Ry.	35,140 82	.01634	.22744	864,134 77	.40192	5.59310	547,744 90	.25476	3.54526
3	Detroit Monroe & Toledo Short Line Ry.	39,773 31	.02484	.43644	907,915 03	.56709	9.96285	469,039 05	.29296	5.14692
4	Detroit & Huron Shore Line Ry.	45,138 93	.01561	.18745	1,056,436 14	.36542	4.38716	714,264 54	.24706	2.96621
5	Detroit United Railway	159,402 58	.00345	.03158	13,161,366 06	.28532	2.60811	9,307,019 98	.19176	1.84431
7	Escanaba Traction Co.	65,199 68	.22276	1.83495	142,141 03	.48564	4.00036	72,442 66	.24750	2.0388
8	Grand Rapids, Grand Haven & Muskegon Ry.	6,300 99	.00651	.08671	447,811 20	.46295	6.16242	288,209 08	.29795	3.96611
9	Houghton County Traction Co.	2,738 77	.00348	.03912	325,935 19	.41387	4.65608	164,039 10	.20829	2.34335
10	Michigan Railway	43,422 82	.00436	.04946	3,364,997 41	.33862	3.83315	2,045,579 90	.20585	2.33017
14	Muskegon Traction & Lighting Co.	4,864 43	.00520	.04500	222,907 13	.23840	2.06187	158,822 69	.16986	1.46910
15	Saginaw-Bay City Ry.	36,021 51	.13882	.11942	594,654 49	.22917	1.9714	382,319 52	.14733	1.26751
16	Southern Michigan Ry.	1,099 15	.00205	.04342	232,980 48	.43491	9.20362	126,489 90	.23612	4.99683
17	Toledo, Ottawa Beach & Northern Ry.	150 00	.00030	.00400	129,969 27	.26126	3.46742	90,295 74	.18151	2.40898
18	Toledo & Western R. R.	2,945 71	.00344	.05198	365,917 26	.42682	6.45789	303,299 76	.35378	5.35279
	Total	$451,947 98	$.00634	$.06250	$22,083,089 00	$.3089	$3.0470	$14,865,599 34	$.20811	$2.0542

TABLE NO. 11.—ACCIDENTS TO PERSONS.

Number.	Railway.	Passengers.			Employees.			Other persons.			Grand total.	
		Killed.	Injured.	Total.	Killed.	Injured.	Total.	Killed.	Injured.	Total.	Killed.	Injured.
1	Benton Harbor-St. Joe Railway & Light Co.	.....	.....	.....	.....	.....	.....	.....	1	1	.....	1
2	Detroit Jackson & Chicago Ry.	.....	62	62	1	10	11	12	16	28	13	88
3	Detroit Monroe & Toledo Short Line Ry.	.....	7	7	.....	13	13	4	7	11	4	27
4	Detroit & Port Huron Shore Line Ry.	.....	30	30	.....	13	13	5	19	24	5	62
5	Detroit United Railway	12	951	963	3	157	160	45	609	654	60	1,717
7	Escanaba Traction Co.	.....	.....	.....	.....	.....	.....	.....	.....	.....	None	None
8	Grand Rapids, Grand Haven & Muskegon Ry.	.....	16	16	.....	1	1	1	2	3	1	19
9	Houghton County Traction Co.	.....	4	4	.....	13	13	1	2	3	1	19
10	Michigan Railway	.....	.....	.....	.....	No record	.....	.....	.....	.....	.....	.....
14	Muskegon Traction & Lighting Co.	.....	1	1	.....	1	1	1	4	5	1	6
15	Saginaw-Bay City Ry.	.....	.....	.....	.....	.....	.....	1	1	2	1	1
16	Southern Michigan Ry.	.....	.....	.....	.....	No record	.....	.....	.....	.....	.....	.....
17	Toledo, Ottawa Beach & Northern Ry.	.....	14	14	.....	3	3	.....	5	5	.....	22
18	Toledo & Western R. R.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total	12	1,085	1,097	4	211	215	70	666	736	86	1,962

TABLE NO. 12.—EMPLOYEES.

Number.	Railway.	General administration.		Maintenance of way and structures.		Maintenance of equipment.		Power.		Transportation.		Total employees.	Aggregate salaries and wages paid for year.
		General officers.	General office clerks.	Superintendents.	Other employees.	Superintendents.	Other employees.	Superintendents.	Other employees.	Superintendents.	Other employees.		
1	Benton Harbor-St. Joe Railway & Light Co.	5	6	1	27	1	11	1	6	1	135	194	$136,786 05
2	Detroit, Jackson & Chicago Railway	.....	.....	2	68	.....	20	.....	12	2	155	259	249,631 49
3	Detroit, Monroe & Toledo Short Line	.....	.....	1	62	.....	10	1	26	1	102	203	202,204 82
4	Detroit & Port Huron Shore Line Ry.	.....	.....	1	91	.....	29	1	54	3	244	423	398,678 31
5	Detroit United Railway	25	200	1	811	1	881	1	230	25	3,878	6,053	5,602,457 23
7	Escanaba Traction Co.	2	3	1	5	1	4	.....	8	1	17	42	32,108 66
8	Gd. Rapids, Gd. Haven & Muskegon Ry.	4	8	2	24	1	46	4	.....	1	107	197	148,633 88
9	Houghton County Traction Co.	16	4	1	23	1	18	1	14	3	45	126	102,889 07
10	Michigan Railway	22	106	1	307	1	248	.....	.....	7	876	1,568	1,251,840 90
13	Lansing Southern Railroad Co.	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2	1,180 00
14	Muskegon Traction & Lighting Co.	4	3	1	8	1	15	1	1	1	75	110	88,199 80
15	Saginaw-Bay City Ry.	10	15	1	25	1	107	.....	.....	1	209	369	249,663 64
16	Southern Michigan Railway	3	4	1	10	1	.....	.....	3	1	6	29	42,980 49
17	Toledo, Ottawa Beach & Northern Ry.	.....	.....	1	5	.....	.....	.....	.....	.....	39	45	37,964 53
18	Toledo & Western Railroad	4	8	1	56	1	21	.....	10	1	89	191	154,429 17
	Total	95	357	16	1,522	10	1,410	10	364	48	5,979	9,811	$8,699,648 04

TABLE NO. 13.—DESCRIPTION OF EQUIPMENT.

Number.	Railway.	With electric equipment.				Without electric equipment.				Total passenger cars.
		Closed cars. (1)	Open cars. (2)	Combination. (3)	Total. (4)	Closed cars. (5)	Open cars. (6)	Combination. (7)	Total. (8)	(9)
1	Benton Harbor-St. Joe Railway & Light Co.	21	13	13	47	2			2	49
2	Detroit, Jackson & Chicago Ry.	38			38					38
3	Detroit, Monroe & Toledo Short Line Ry.	30			30					30
4	Detroit & Port Huron Shore Line Ry.	57	26		83					83
5	Detroit United Railway	1,252	27		1,279	167	152		319	1,598
7	Escanaba Traction Co.	9			9		4		4	13
8	Grand Rapids, Grand Haven & Muskegon Ry.	16	3	3	22					22
9	Houghton County Traction Co.	24			24					24
10	Michigan Railway	187	57		244	11			11	255
11	Grand Rapids, Holland & Chicago Ry.	19	3		22	3			3	25
12	Michigan United Railways Co.	143	34		177	4			4	181
14	Muskegon Traction & Lighting Co.	27	3		30	5	17		22	52
15	Saginaw-Bay City Ry.	66	36		102		3		3	105
16	Southern Michigan Railway	12	1		13					13
17	Toledo, Ottawa Beach & Northern Ry.									
18	Toledo & Western R. R.	14			14					14
	Total	1,915	203	16	2,134	192	176		368	2,502

TABLE NO. 13.—DESCRIPTION OF EQUIPMENT.—Continued.

Number.	Railway.	Freight cars.			With electric equipment.					
		With electric equipment. (10)	Without electric equipment. (11)	Total. (12)	Express cars. (13)	Baggage cars. (14)	Snow plows. (15)	Sweepers. (16)	Locomotives. (17)	Total. (18)
1	Benton Harbor-St. Joe Ry. & Light Co.	2	27	29	2			2		4
2	Detroit, Jackson & Chicago Ry.	5		5						
3	Detroit, Monroe & Toledo Short Line Ry.	4		4						
4	Detroit, & Port Huron Shore Line Ry.	7		7					2	2
5	Detroit, United Ry.	33	38	71			9		2	11
7	Escanaba Traction Co.		6	6			1	1		2
8	Grand Rapids, Grand Haven & Muskegon Ry.				15		1			16
9	Houghton County Traction Co.						7			7
10	Michigan Railway	22	70	92			1	6		7
11	Grand Rapids, Holland & Chicago Ry.	5	22	27						
12	Michigan United Railways Co.	8	10	18			1	6		7
14	Muskegon Traction & Lighting Co.	1	1	2				1		1
15	Saginaw-Bay City Railway	1		1			2	2		4
16	Southern Michigan Railway	3		3						
17	Toledo, Ottawa Beach & Northern Railway									
18	Toledo & Western Railroad		120	120		5			5	10
	Total	91	294	385	17	5	22	18	9	71

TABLE NO. 13.—DESCRIPTION OF EQUIPMENT.—Concluded.

Number.	Railway.	Work cars.			Miscellaneous cars.			Total cars, all classes.		
		With electric equipment. (19)	Without electric equipment. (20)	Total. (21)	With electric equipment. (22)	Without electric equipment. (23)	Total. (24)	With electric equipment. (25)	Without electric equipment. (26)	Total. (27)
1	Benton Harbor-St. Joe Railway & Light Co.	1		1				54	29	83
2	Detroit, Jackson & Chicago Ry.				6	21	27	49	21	70
3	Detroit, Monroe & Toledo Short Line Ry.	3	57	60	1		1	38	57	95
4	Detroit & Port Huron Shore Line Ry.	11	31	42				a101	33	134
5	Detroit United Railway	48	116	164	17	b8	25	1,388	481	1,869
7	Escanaba Traction Co.							11	10	21
8	Grand Rapids, Grand Haven & Muskegon Ry.	1		1		5	5	39	5	44
9	Houghton County Traction Co.		10	10				31	10	41
10	Michigan Railway	21	72	93	2	c14	16	296	167	463
11	Grand Rapids, Holland & Chicago Ry.	4		4		d3	3	31	28	59
12	Michigan United Railways Co.	12	10	22	3		3	207	24	231
14	Muskegon Traction & Lighting Co.	4	2	6				36	25	61
15	Saginaw-Bay City Railway	4		4	1	2	3	112	5	117
16	Southern Michigan Ry.	2		2				18		18
17	Toledo, Ottawa Beach & Northern Ry.									
18	Toledo & Western Railroad	1		1		5	5	25	125	150
	Total	112	298	410	30	58	88	2,436	1,020	3,456

a. Includes 2 locomotives without electric equipment.
b. Includes 8 snow plows without electric equipment.
c. Includes 1 sweeper and 4 locomotives without electric equipment, also 1 car, kind not specified.
d. Includes 1 steamer "Ottawa".

STATISTICS

EXPRESS COMPANIES

FOR THE

YEAR ENDING DECEMBER 31, 1916

ABSTRACT OF REPORTS RENDERED BY EXPRESS COMPANIES.

Number.	Item.	Adams Express Company.	American Express Company.	The Canadian Express Company.	Wells, Fargo & Company.	Western Express Company.
	RECAPITULATION OF MILEAGE COVERED.					
	Class of Carrier:					
1	Steam roads	38,022.56	71,168.27	10,765.93	78,638.25	5,217.32
2	Electric lines	2,801.42	1,063.53	113.00	4,231.07	28.00
3	Coastwise steamboat lines	4,483.00	1,227.12	1,102.00	18,343.52	.....
4	Inland steamboat lines			50.00	4,113.87	8.00
5	Stage lines	.....	.....	17.00	1,080.37	.....
6	Miscellaneous lines	.....	6.00	2.00	664.50	.....
7	Total	45,306.98	73,464.92	12,049.93	107,071.58	5,253.32
	Transoceanic Contract Steamship Lines and Lines in Foreign Countries:					
8	Ocean-going mileage	.....	.....	2,630.00	30,717.00	.....
9	Mileage in foreign countries	.....	.....	None	.....	.....
	Mileage covered in Michigan, classified:					
10	Steam roads	2,318.85	4,092.27	57.02	718.76	758.31
11	Electric lines	696.83	118.94	.....	103.56	9.47
12	Inland steamboat lines	8.00	None	.....	.....	8.00
13	Total	3,023.68	4,211.21	57.02	821.92	775.78
	CAPITAL STOCK.					
	Common stock:					
14	Number of shares authorized	120,000	180,000	30,000	240,000	1,000
15	Par value of one share	$100 00	$100 00	$100 00	$100 00	$100 00
16	Total par value authorized	12,000,000 00	18,000,000 00	3,000,000 00	24,000,000 00	100,000 00
17	Total par value outstanding	12,000,000 00	18,000,000 00	1,742,200 00	23,967,400 00	50,000 00
18	Total par value held by respondent in treasury	2,000,000 00	461,000 00	None	.....	.....
19	Total par value not held by respondent	10,000,000 00	17,539,000 00	1,742,200 00	23,967,400 00	50,000 00

ABSTRACT OF REPORTS RENDERED BY EXPRESS COMPANIES

Number.	Item.	Adams Express Company.	American Express Company.	The Canadian Express Company.	Wells, Fargo & Company	Western Express Company.
	CAPITAL STOCK—*Con.*					
	Purpose of the issue—Number of shares outstanding:					
20	Issued for cash	.....	.....	15,000	159,674	500
21	Issued for real property and equipment	100,000	.....	2,422	.....	.....
22	Issued for acquisition of securities	None	.....	.....	.....	.....
23	Issued for conversion of securities	.....	.....	.....	.....	.....
	Incident to a merger, Nov. 25, 1868	.....	180,000	.....	.....	.....
24	Issued for stock dividend	20,000	.....	.....	.....	.....
25	Total	120,000	.....	17,422	a239,674	500
	INCOME ACCOUNT.					
	I. Operating Income:					
26	(301) Charges for transportation	$45,893,923 13	$63,413,452 28	$4,259,408 09	$50,403,436 95	$1,545,442 31
27	(314) Express priviliges,—Dr.	22,413,455 02	31,407,984 98	2,189,848 98	25,854,218 50	756,438 93
28	Revenue from transportation	23,480,468 11	32,005,467 30	2,069,559 11	24,549,218 45	789,003 38
29	(302) Revenue from operations other than transportation	603,527 51	3,233,224 76	127,575 00	1,191,925 46	45,467 06
30	Total operating revenues	24,083,995 62	35,238,692 06	2,197,134 11	25,741,143 91	834,470 44
31	(315) Operating expenses	23,025,979 18	32,355,941 55	1,890,512 92	22,212,796 88	716,474 66
32	Net operating revenues	1,058,016 44	2,882,750 51	306,621 19	3,528,647 03	117,995 78
33	(316) Uncollectable revenue from transportation	8,034 90	13,789 39	515 58	16,420 94	81 10
34	(317) Express taxes	251,056 62	550,235 56	60,507 80	468,532 28	16,929 50
35	Operating income	798,924 92	2,318,725 56	245,597 81	3,043,393 81	100,985 18
	II. Other Income:					
36	(303) Rent from real property and equipment used jointly	14,588 33	14,774 63	.....	3,840 10	964 37
37	(305) Net income from miscellaneous physical property	1,414 36	None	.....	3,951 86	.....
38	(306) Separately operated property—profits	.....	.....	.....	.....	.....
39	(307) Dividend income	1,048,708 25	192,196 00	.....	323,570 56	.....
40	(308) Income from funded securities	845,562 67	434,602 82	.....	756,511 86	3,295 03
41	(309) Income from unfunded securities and accounts	143,839 84	88,826 81	.....	195,600 81	1,003 36
42	(310) Income from sinking and other reserve funds	.....	18,499 83	.....	.....	.....
43	(313) Miscellaneous income	.....	11,313 56	.....	63,336 22	.....
44	Total other income	$2,054,113 45	$760,213 65	.....	$1,346,811 41	$5,262 76
45	Gross income	$2,853,038 37	$3,678,939 21	$245,597 81	$4,390,205 22	$106,247 94

a. This item includes 30,000 issued as advance payment on contract and 50,000 other "not known."

ABSTRACT OF REPORTS RENDERED BY EXPRESS COMPANIES—Continued.

Number.	Item.	Adams Express Company.	American Express Company.	The Canadian Express Company.	Wells, Fargo & Company	Western Express Company.
	INCOME ACCOUNT—*Concluded.*					
	III. Deductions from Gross Income:					
46	(318) Rent for real property and equipment used jointly	$6,052 65	$10,387 05	.....	$7,705 58	$678 52
47	(319) Miscellaneous rents	10,847 53	13,546 58	.....	20,050 90	.....
48	(320) Miscellaneous taxes	11,699 45	29,866 84	.....	71,506 41	.....
49	(321) Miscellaneous physical properties—net loss	.....	53,895 48	.....	.....	.....
50	(323) Interest on funded debt	885,829 64	.....	.....	.....	.....
51	(324) Interest on unfunded debt	76,084 76	107,129 02	.....	.....	.....
52	(326) Income transferred to other companies	.....	.....	.....	.....	.....
53	(327) Miscellaneous income debits	24,039 31	414,64	.....	1,202 91	.....
54	Total deductions from gross income	1,014,553 34	215,239 61	.....	100,465 80	678 52
55	Net income	$1,838,485 03	$2,863,699 60	$245,597 81	$4,289,739 42	$105,569 42
	IV. Disposition of Net Income:					
56	(329) Dividend appropriations of income	600,000 00	350,780 00	.....	1,438,044 00	.....
57	Income balance transferred to profit and loss	$1,238,485 03	$2,512,919 60	°$245,597 81	$2,851,695 42	$105,569 42
	PROFIT AND LOSS ACCOUNT.					
58	(401) Credit balance (at beginning of fiscal period)	$8,981,329 18	$7,775,568 14	.....	$8,996,954 54	$96,724 53
59	(402) Credit balance transferred from income	1,238,485 03	2,512,919 60	.....	2,851,695 42	105,569 42
60	(403) Profit on real property and equipment sold	.....	98 88	.....	.....	147 03
61	(404) Delayed income credits	.....	.....	.....	17,904 03	236 52
62	(405) Unrefundable overcharges	610 12	1,059 62	.....	6,263 01	112 64
63	(406) Miscellaneous credits	445,424 48	16,604 05	.....	139,251 21	.....
64	(408) Debit balance transferred from income	.....	.....	.....	.....	.....
65	(410) Dividend appropriations of surplus	.....	1,050,090 00	.....	7,989,133 33	20,000 00
66	(413) Debt discount extinguished through surplus	100,000 00	.....	.....	.....	.....
67	(415) Loss on land sold	.....	.....	.....	.....	.....
68	(417) Miscellaneous debits	215,415 46	2,332,610 82	.....	2,840 36	.....
69	Balance carried forward to credit of balance sheet	$10,350,433 35	$6,923,549 47	.....	$4,020,094 52	$182,790 14

° Transferred to Grand Trunk Railway Co.

ABSTRACT OF REPORTS RENDERED BY EXPRESS COMPANIES—Continued.

Number.	Item.	Adams Express Company.	American Express Company.	The Canadian Express Company.	Wells, Fargo & Company.	Western Express Company.
	OPERATING REVENUES.					
	I. Transportation:					
70	(101) Express, domestic	$45,503,879 96	$62,841,310 72	$4,257,903 92	$50,298,469 51	$1,542,525 83
71	(102) Express, foreign	94,681 46	531,794 93	1,504 17	93,129 47	.....
72	(103) Miscellaneous	295,361 71	40,346 63	.....	11,837 97	2,916 48
73	Total transportation	$45,893,923 13	$63,413,452 28	$4,259,408 09	$50,403,436 95	$1,545,442 31
	II. Contract Payments:					
74	104 Express privileges—Dr.	$22,413,455 02	$31,407,984 98	$2,189,848 98	$25,854,218 50	$756,438 93
75	Revenue from transportation	$23,480,468 11	$32,005,467 30	$2,069,559 11	$24,549,218 45	$789,003 38
	III. Operations other than Transportation:					
76	(105) Customs brokerage fees	68,133 25	124,479 42	13,484 86	28,394 87	11,886 40
77	(106) Order and commission	1,824 40	9,723 95	.....	6,939 94	.....
78	(107) Rents of buildings and other property	11,711 66	86,866 49	.....	204,177 55	767 86
79	(108) Money orders	104,843 42	401,222 12	70,779 89	229,494 74	16,843 35
80	(109) C. O. D. checks	341,175,52	515,174 95	34,580 08	465,648 09	15,447 24
81	(110) Limited and unlimited cheques	454 20	17,531 60	5,951 49	1 05	20 45
82	(111) Travelers cheques	1,588 68	26,766 71	904 36	39,323 11	52 79
83	(112) Telegraph and cable transfers	.....	139,856 59	204 08	5,112 14	.....
84	(113) Letters of credit	.....	6,608 89	.....	.....	.....
85	(114) Foreign postal remittances	8,198 68	9,928 59	861 68	*6 25*	1 19
86	(115) Profit on exchange and other financial revenue	21,758 19	1,063,529 74	808 56	51,518 41	161 18
87	(116) Miscellaneous	44,339 51	831,535 71	.....	161,321 81	286 60
88	Total other than transportation	$603,527 51	$3,233,224 76	$127,575 00	$1,191,925 46	$45,467 06
89	Total operating revenues	$24,083,995 62	$35,238,692 06	$2,197,134 11	$25,741,143 91	$834,470 44
	OPERATING EXPENSES.					
	Recapitulation:					
90	1. Maintenance	$1,494,378 59	$1,981,236 47	$66,540 89	$1,211,233 20	$23,976 10
91	2. Traffic	116,941 82	356,789 52	8,648 87	238,044 55	6,539 25
92	3. Transportation	20,297,646 98	27,294,318 57	1,668,197 91	19,361,731 20	631,952 04
93	4. General	1,117,011 79	2,723,596 99	147,125 25	1,401,787 93	54,007 27
94	Total operating expenses	$23,025,979 18	$32,355,941 55	$1,890,512 92	$22,212,796 88	$716,474 66
95	Ratio of operating expenses to operating revenues—per cent	95.67	91.82	86.05	86.29	85.85

ABSTRACT OF REPORTS RENDERED BY EXPRESS COMPANIES—Continued.

Number.	Item.	Adams Express Company.	American Express Company.	The Canadian Express Company.	Wells, Fargo & Company.	Western Express Company.
	BALANCE SHEET AT CLOSE OF YEAR—ASSETS.					
	Investment:					
96	(501) Real property and equipment	$9,239,807 06	$15,234,110 65	$447,868 13	$11,110,562 84	$136,677 45
97	(503) Miscellaneous physical property	57,418 62	2,015,907 10	.....	127,360 35	.....
	(504) Investment in affiliated companies—					
98	(A) Stocks	10,328,009 72	1,039,862 95	.....	10,000 00	.....
99	(B) Bonds	6,756,046 03	.....	.....	.....	.....
100	(C) Notes	770,000 00	.....	.....	.....	.....
101	(D) Advances	247,393 93	.....	.....	.....	.....
	(505) Other investments—					
102	(A) Stocks	10,023,520 77	4,500,328 58	.....	5,533,438 03	25,186 18
103	(B) Bonds	14,253,724 00	8,346,937 53	.....	15,115 897 44	95,896 33
104	(C) Notes	201 50	1,358,368 94	.....	1,524,066 01	.....
105	(D) Mortgage loans	529,778 70	.....	.....	.....	.....
106	Total investment	$52,205,900 35	$32,495,515 75	$447,868 13	$33,421,324 67	$257,759 96
	Current Assets:					
107	(506) Cash	$2,571,248 84	$6,324,976 42	$186,380 40	$12,860,264 84	$242,254 13
108	(507) Special deposits	23,157 60	88,116 55	.....	.....	.....
109	(508) Loans and notes receivable	66,500 00	3,850 22	.....	69,000 00	.....
110	(509) Traffic balances receivable	122,693 26	128,040 91	14,324 28	62,745 71	17,965 09
111	(510) Net balances receivable from agents and messengers	4,291,439 24	8,124,471 77	161,513 85	1,569,965 44	76,744 40
112	(511) Miscellaneous accounts receivable	133,946 85	3,577,204 09	235,160 76	845,296 80	.....
113	(512) Material and supplies	257,903 58	274,706 93	5,768 79	228,992 03	7,515 19
114	(513) Interest, dividends and rents receivable	477,756 99	274,448 13	.....	280,980 16	.....
115	(514) Working fund advances	.....	221 52	31,666 65	5,000 00	33,875 00
116	(515) Other current assets	.....	47,836 94	.....	.....	.....
117	Total current assets	$7,944,646 36	$18,843,873 48	$634,814 73	$15,922,244 98	$378,353 81
	Deferred Assets:					
118	(516) Insurance and other reserve funds	.....	.....	.....	.....	.....
119	(519) Advance payments on contracts	.....	.....	.....	1,166,666 45	.....
120	(520) Other deferred assets	.....	.....	.....	.....	.....
121	Total deferred assets	.....	.....	a$1,294,331 87	$1,166,666 45	.....

a. Grand total includes item of $1,294,331.87 designated as "Charter, contracts, good will, etc."

ABSTRACT OF REPORTS RENDERED BY EXPRESS COMPANIES—Continued.

Number.	Item.	Adams Express Company.	American Express Company.	The Canadian Express Company.	Wells, Fargo & Company.	Western Express Company.
	BALANCE SHEET, AT CLOSE OF OF YEAR—*Con.*					
	Unadjusted Debits:					
122	(521) Rents and insurance premiums paid in advance	$41,656 76	.....	.....	$52,760 53	.....
123	(522) Taxes paid in advance	10,533 60	.....	.....	145,783 41	.....
124	(525) Other unadjusted debits	69,181 76	.....	.....	.....	$306 15
125	Total unadjusted debits	$121,372 12	.....	.....	$198,543 94	$306 15
126	Grand Total	$60,271,918 83	$51,339,389 23	$2,377,014 73	$50,708,780 04	$636,419 92
	LIABILITIES.					
	Stock:					
127	(528) Capital stock	$10,000,000 00	b$17,552,480 00	$1,742,200 00	$23,967,400 00	$50,000 00
	Long Term Debt:					
128	(530) Funded debt unmatured	$21,916,500 00	.....	.....	.....	.....
129	(Special item—see report)	895,988 36	.....	.....	.....	.....
	Current Liabilities:					
130	(531) Loans and notes payable	$2,000,000 00	.....	.....	.....	.....
131	(532) Traffic balances payable:	131,653 85	$52,539 81	$37,624 18	$3,105,192 12	$8,897 21
132	(533) Audited accounts and wages unpaid	1,243,286 33	3,553,612 44	205,289 37	3,851,068 54	53,131 81
133	(534) Miscellaneous accounts payable	290,149 11	6,767,714 36	.....	.....	.....
134	(535) Matured interest, dividends and rents unpaid	107,199 50	30,547 20	.....	18,438 66	.....
135	(538) Unpaid money orders, checks and drafts	945,756 67	6,142,225 93	161,249 52	3,734,776 97	12,670 82
136	(539) Express privileges liabilities	4,301,439 60	4,622,935 45	198,985 01	3,204,629 58	171,536 00
137	(540) Estimated tax liabilities	111,324 45	250,219 24	.....	305,132 94	16,741 71
138	(541) Unmatured interest, dividends and rents payable	151,420 03	615,478 00	.....	8,708,155 33	.....
139	(542) Other current liabilities	.....	.....	31,666 65	47,081 08	829 71
140	Total current liabilities	$9,282,229 52	$22,035,272 43	$634,814 73	$19,974,475 22	$263,807 26

b. Includes item 529—$13,480.00 premium on capital stock.

ABSTRACT OF REPORTS RENDERED BY EXPRESS COMPANIES—Continued.

Number.	Item.	Adams Express Company.	American Express Company.	The Canadian Express Company.	Wells, Fargo & Company	Western Express Company.
	LIABILITIES—*Con.*					
	Deferred Liabilities:					
141	(544) Liabilities on account of fidelity and indemnity funds	.....	$60,612 42	.....	.....	.....
142	(545) Other deferred liabilities	.....	550 00	.....	.....	.....
143	Total deferred liabilities	.....	$61,162 42	.....	.....	.....
	Unadjusted Credits:					
144	(547) Operating and insurance reserves	$180,104 26	$1,361,866 55	.....	$313,278 95	$30,399 51
145	(548) Accrued depreciation—Buildings	216,027 71	1,087,463 42	.....	261,043 07	2,486 38
146	(549) Accrued depreciation—Equipment	2,494,532 46	2,922,992 61	.....	2,103,121 33	56,936 63
147	(550) Accrued depreciation—Miscellaneous physical property	141,598 99	767,387 79	.....	129 96	.....
148	(551) Other unadjusted credits	611 68	424,285 14	.....	69,236 99	.....
149	Total unadjusted credits	$3,032,875 10	$6,563,995 51	.....	$2,746,810 30	$89,822 52
	Corporate Surplus:					
150	(553) Reserves from income and surplus	$4,793,892 50	None	.....	.....	$50,000 00
151	(554) Profit and loss balance	10,350,433 35	$6,923,549 47	.....	$4,020,094 52	182,790 14
152	Total corporate surplus	$15,144,325 85	$6,923,549 47	.....	$4,020,094 52	$232,790 14
153	Grand total	$60,271,918 83	$53,136,459 83	$2,377,014 73	$50,708,780 04	$636,419 92

ABSTRACT OF REPORTS RENDERED BY EXPRESS COMPANIES.—Continued.

Statistics of equipment owned at close of year.

Number.	Item.	Adams Express Company.		American Express Company.		The Canadian Express Company.		Wells Fargo & Company.		Western Express Company.	
		Number.	Value or amount.	Number.	Value or amount.	Number.	Value or amount.	Number.	Value or amount.	Number.	Value or amount.
154	(205) Cars	.....	.....	35	$141,982 34	.....	.....	180	$557,204 38	.....	.....
155	(206) Horses	5,707	$689,000 98	5,804	888,373 51	366	$57,423 00	7,167	836,128 09	146	$18,381 09
156	(207) Automobiles:										
	(1) Automobiles, gasoline	658	905,239 63	357	634,087 48	2	3,782 00	134	201,061 72	.....	.....
	(2) Automobile, electric	418	514,909 65	523	1,046,548 67	5	10,285 00	34	37,725,25	.....	.....
157	(208) Wagons and sleighs:										
158	(1) Wagons, double	1,077	193,306 46	1,168	177,253 84	46	9,709 00	1,521	326,519 49	20	4,568 03
159	(2) Wagons, single	2,957	184,197 14	3,408	290,194 82	300	33,865 00	2,604	274,926 89	102	11,594 54
160	(3) Sleighs	718	6,875 87	1,694	23,406 80	251	12,204 00	480	5,741 39	67	1,258 47
161	(4) Buggies	.....	.....	20	989 78	.....	.....	32	3,706 45	.....	.....
162	(209) Harness equipment	.....	81,037 97	.....	75,405 26	.....	7,052 00	.....	94,531 01	.....	2,062 14
163	(210) Office furniture and equipment	.....	2,646,690 87	.....	556,336 28	.....	21,597 00	.....	439,951 87	.....	13,922 98
164	(211) Office safes	1,795	50,836 34	6,261	121,538 67	314	11,599 00	6,074	165,252 55	78	5,846 00
165	(212) Trucks	11,499	170,511 09	15,861	345,813 36	680	13,344 00	16,708	159,421 23	490	8,931 59
166	(213) Stable equipment	.....	1,656 05	.....	3,159 23	.....	.....	.....	10,347 09	.....	234 71
167	(214) Garage equipment	.....	27,693 71	.....	73,411 99	.....	.....	.....	7,990 63	.....	.....
168	(215) Line equipment:										
169	(1) Safes, car	196	20,479 92	316	75,085 33	4	974 00	593	68,149 09	17	1,495 64
170	(2) Safes, messenger	3,628	23,200 39	2,842	26,530 80	194	2,486 00	2,849	23,586 66	206	1,698 17
171	(3) Trunks, packing	5,243	9,046 10	8,350	32,078 47	207	2,000 00	7,442	11,042 11	394	778 05
172	(4) Other line equipment	.....	9,310 03	.....	14,448 17	.....	.....	.....	55,391 20	.....	1,601 16
173	(216) Shop equipment	.....	11,617 74	.....	44,671 21	.....	.....	.....	4,325 15	.....	.....
174	(217) Miscellaneous equipment	.....	.....	.....	14,084 83	.....	1,348 13	.....	483 56	.....	253 24
175	Total	.....	$3,103,609 94	.....	$4,585,400 84	.....	$187,668 13	.....	$3,283,215 31	.....	$72,626 31

ABSTRACT OF REPORTS RENDERED BY EXPRESS COMPANIES—Continued.

Statistics of financial paper issued at close of year.

Number.	Item.	Adams Express Company.		American Express Company.		The Canadian Express Company.		Wells Fargo & Company.		Western Express Company.	
		Number.	Value or amount.	Number.	Value or amount.	Number.	Value or amount.	Number.	Value or amount.	Number.	Value or amount.
176	(108) Money orders	1,679,493	$14,631,490 04	6,735,751	$54,645,218 58	1,138,123	$11,960,808 20	3,489,106	$33,354,278 25	264,842	$2,533,804 53
177	(109) C. O. D. Checks	1,530,330	22,240,097 76	2,265,510	36,825,803 24	166,545	2,307,733 44	2,282,587	31,943,843 95	77,939	978,566 52
178	(110) Limited and unlimited cheques	4,117	143,974 39	271,883	136,199,049 80	3,132	688,499 57	220	88,529 99	315	3,524 96
179	(111) Travelers cheques	33,377	593,280 00	848,044	18,705,050 00	5,197	121,052 69	425,005	8,095,270 00	977	15,280 00
180	(112) Telegraph and cable transfers	.....	.....	54,355	107,779,230 35	154	26,637 14	4,525	630,226 89	.....	.....
181	(113) Letters of credit	.....	.....	697	3,504,032 13	449	25,922 52	.....	.....	346	11,744 66
182	Total	3,247,317	$37,608,842 19	10,176,240	$357,658,384 10	1,313,600	$15,130,653 56	6,201,443	$74,112,149 08	344,419	$3,542,920 67
	Number of express offices in United States.										
183	Joint with railroads	5,286	.....	9,584	.....	45	.....	7,873	.....	541	.....
184	All others	1,332	.....	169	.....	4	.....	1,269	.....	37	.....
185	Number of offices in United States at which money orders were on sale	5,814	.....	8,973	.....	49	.....	8,182	.....	564	.....

STATISTICS

ELECTRIC LIGHT AND POWER UTILITIES

FOR THE

CALENDAR YEAR 1916

NOTE.—The following compilation does not include all of these utilities operating in the State of Michigan.

TABLE NO. 0.—INCOME STATEMENT.—CLASSES A, B AND C.

Number.	Operating utility.	Operating income.			Non-operating income.			Net corporate income. (Loss if in italics.)
		Operating revenues.	Operating expenses.	Net operating revenue (deficit if in italics.)	Non-operating revenues.	Non-operating expenses.	Net non-operating revenue (deficit if in italics.)	
	Classes A and B.							
1	Alpena Electric Light Co	$41,517 27	$32,712 93	$8,804 34	$103 37	.....	$103 37	$8,907 71
2	Benton Harbor-St. Joe Railway & Light Co	185,432 87	106,561 51	78,871 36	14,933 39	$9,054 75	5,878 64	84,750 00
3	Boardman River Electric Light & Power Co	34,492 34	21,265 95	13,226 39	1,861 96	.....	1,861 96	15,088 35
4	Cheboygan Electric Light & Power Co	43,776 23	21,725 54	22,050 69	5,337 61	.....	5,337 61	27,338 30
5	Citizens Electric Company, The	.....	.....	.....	.....	.....	.....	.....
6	Citizens Light & Power Co., The	81,653 61	63,865 30	17,788 31	20,429 54	82 49	20,347 05	38,135 36
7	Constantine Hydraulic Company	51,467 16	23,439 53	28,027 63	2,474 25	.....	2,474 25	30,501 88
8	Consumers Power Company	4,599,143 20	2,136,386 66	2,462,756 54	148,058 26	82,783 91	65,274 35	2,528,030 89
9	Detroit Edison Company, The	9,211,002 72	5,562,554 91	3,648,447 81	855,783 42	708,537 92	147,245 50	3,795,693 31
10	Edison Sault Electric Company	120,764 28	91,590 36	29,173 92	1,985 43	519 62	1,465 81	30,639 73
11	Escanaba Traction Company	64,359 68	23,767 00	40,592 68	77,781 35	60,794 85	16,986 50	57,579 18
12	Houghton County Electric Light Co	381,575 72	201,085 33	180,490 39	11,287 77	2,461 13	8,826 64	189,317 03
13	Indiana & Michigan Electric Co	1,088,053 25	433,507 69	654,545 56	17,136 54	.....	17,136 54	671,682 10
14	Ionia Water Power Electric Co	.....	.....	.....	.....	.....	.....	.....
15	Iron Mountain Electric Light & Power Co., The	41,546 27	26,825 31	14,720 96	133 84	.....	133 84	14,854 80
16	Iron Range Light & Power Company	47,312 51	31,697 96	15,614 55	1,321 43	.....	1,321 43	16,935 98
17	Ironwood & Bessemer Ry. & Light Company	147,899 62	81,628 13	66,271 49	140,969 94	51,939 20	89,030 74	155,302 23
18	Manistique Light & Power Company	29,559 68	21,418 03	8,141 65	2,254 67	.....	2,254 67	10,396 32
19	Marquette County Gas & Electric Co	77,339 44	33,571 13	43,768 31	39,894 94	11,110 09	28,784 85	72,553 16
20	Menominee & Marinette Light & Traction Co	71,378 99	56,068 71	15,310 28	1,212 30	.....	1,212 30	16,522 58
21	Michigan Power Company	172,874 26	225,115 03	*52,240 77*	78,117 58	4,281 30	73,836 28	21,595 51
22	Peninsular Power Company	189,089 39	57,432 21	131,657 18	323 75	.....	323 75	131,980 93
23	Port Huron Gas & Electric Co	173,433 40	91,605 57	81,827 83	51,674 07	.....	51,674 07	133,501 90
24	Stearns Lighting & Power Company	107,155 08	63,762 92	43,392 16	777 81	.....	777 81	44,169 97
25	Thornapple Gas & Electric Company, The	59,362 49	29,939 93	29,422 56	17,642 11	12,444 92	5,197 19	34,619 75
26	Central Michigan Light & Power Co	28,756 35	24,819 69	3,936 66	2,263 65	2,003 31	260 34	4,197 00
	Total, Classes A and B	.....	.....	.....	.....	.....	.....	.....

TABLE NO. 0.—INCOME STATEMENT,—CLASSES A, B AND C.

Number.	Operating utility.	Operating income.			Non-operating income.			Net corporate income. (Loss if in italics.)
		Operating revenues.	Operating expenses.	Net operating revenue (deficit if in italics.)	Non-operating revenues.	Non-operating expenses.	Net non-operating revenue (deficit if in italics.)	
	Class C.							
27	Alma Grain & Lumber Co. (Elec. Dept.)	$17,812 48	$14,266 22	$3,546 26	$6,311 01	$1,842 81	$4,468 20	$8,014 46
28	Alpena Power Company (Limited)	.....	.....	.....	.....	.....	.....	.....
29	Alpha Lighting Company	3,726 09	2,150 22	1,595 87	.....	.....	.....	1,595 87
30	Antrim Light & Power Company	.....	.....	.....	.....	.....	.....	.....
31	Benzie County Power Company	14,482 16	8,160 21	6,321 95	.....	.....	.....	6,321 95
32	Big Rapids Electric Company	14,081 57	8,846 96	5,234 61	966 03	.....	966 03	6,200 64
33	Boyne City, Electric Company	22,223 23	18,898 14	3,325 09	2,069 22	.....	2,069 22	5,394 31
34	Boyne River Power Company	11,743 50	9,224 35	2,519 15	74 22	.....	74 22	2,593 37
35	Caro Light & Power Company	15,343 50	9,396 26	5,947 24	.....	.....	.....	5,947 24
36	Centreville Water & Electric Co	8,700 21	4,918 52	3,781 69	642 46	661 86	*19 40*	3,762 29
38	Chippewa Edison Company	4,702 74	4,290 44	412 30	89 48	.....	89 48	501 78
39	Citizens Light Company	8,325 49	6,897 55	1,427 94	.....	.....	None	1,427 94
40	Cleveland-Cliffs Iron Co., The	130,676 64	123,251 22	7,425 42	.....	.....	.....	7,425 42
41	Continental Utilities Company	7,121 50	7,174 51	*48 01*	2,280 88	2,136 27	144 61	101 60
42	Dundee Power Company	8,078 93	6,526 54	1,552 39	.....	.....	.....	1,552 39
43	East Jordan Electric Light & Power Co	15,719 75	8,774 47	6,975 28	.....	.....	.....	6,975 28
44	Eesley Light & Power Company	13,895 55	10,177 78	3,717 77	355 56	.....	355 56	4,073 33
45	Electric Light & Power Company	23,159 21	14,896 95	8,262 26	523 34	.....	523 34	8,785 60
46	Elk Electric Company	6,564 03	5,872 60	691 43	466 31	109 65	356 66	1,048 09
47	Estate of P. D. Beckwith, Inc., The	29,663 12	16,769 26	12,893 86	3,821 91	435 91	3,386 00	16,279 86
50	Fowlerville Lighting Company	7,769 91	7,458 25	311 66	.....	.....	None	311 66
51	Frankenmuth Light & Power Company	3,808 10	3,500 88	307 22	800 99	689 87	111 12	418 34
52	Gladwin Light & Power Co	12,848 38	5,466 47	7,381 91	.....	.....	.....	7,381 91
53	Grayling Electric Company	8,755 18	4,190 41	4,564 77	456 70	.....	456 70	5,021 47
54	Harbor Electric Company, The	8,710 65	6,573 45	2,137 20	1,314 14	1,125 29	188 85	2,326 05
55	Hart Milling & Power Company	7,335 44	5,329 33	2,006 11	.....	.....	.....	2,006 11
56	Homer Electric Light & Power Co	6,306 98	3,805 09	2,501 89	.....	.....	.....	2,501 89
57	Hydraulic Power & Light Company	4,406 19	3,240 87	1,165 32	.....	.....	.....	1,165 32
58	Independent Power Company	15,253 72	16,256 74	*1,003 02*	.....	.....	.....	*1,003 02*
59	Kalkaska Light & Power Company	9,422 33	6,835 36	2,587 37	634 21	32 17	602 04	3,189 41

60	Lapeer Gas-Electric Company	22,253 54	20,575 90	1,677 64	3,150 00	500 00	2,650 00	4,327 64
61	Leland Light & Power Company	8,410 37	3,649 58	4,760 79	.....	.....	.....	4,760 79
63	Milford Electric Company (unincorporated)	10,554 03	9,181 42	1,372 61	.....	.....	.....	1,372 61
64	Milling & Power Company	14,984 34	12,090 46	2,893 88	78 25	.....	78 25	2,972 13
66	Munising Company, The	19,587 18	16,683 37	2,903 81	.....	.....	.....	2,903 81
67	Northern Industrial Power Co.	1,404 71	1,553 00	*148 29*	52 35	.....	52 35	*95 94*
68	Onaway Electric Light & Power Co.	14,908 96	6,326 44	8,582 52	572 45	149 51	422 94	9,005 46
69	Osceola Light & Power Company	10,313 44	6,772 16	3,541 28	1,186 44	1 40	1,185 04	4,726 32
72	River Raisin Hydro-Electric Co.	4,511 04	3,807 09	703 95	.....	.....	*23 79*	680 16
73	Rogers City Electric Light & Power Co.	11,946 04	11,033 78	912 26	.....	.....	.....	912 26
74	Rouge River Electric Light & Power Co.	6,183 52	4,188 94	1,994 58	4,640 12	330 00	4,310 12	6,304 71
75	Southern Michigan Light & Power Co.	37,303 99	28,650 18	8,653 81	22,483 93	19,486 24	2,997 69	11,651 50
76	Spencer Electric Light & Power Co., The	16,388 71	8,161 13	8,227 58	962 70	1,511 55	*548 85*	7,678 73
77	Tecumseh Electric Company, The	25,105 41	18,569 99	6,535 42	7,516 04	4,875 71	2,640 33	9,175 75
78	Three Rivers Light & Power Co.	275 00	1,074 08	*799 08*	250 00	.....	250 00	*549 08*
79	Toledo, Ottawa Beach & Northern Ry. Co., The	21,299 70	16,010 87	5,288 83	.....	.....	.....	a5,288 83
80	Toledo & Western R. R. Co., The	35,360 45	27,172 16	8,188 29	.....	.....	.....	a8,188 29
81	Tower Electric Company, The R. J.	26,806 42	17,511 08	9,295 34	.....	.....	.....	9,295 34
82	United Electric Co. of St. Joseph County	14,911 87	8,324 23	6,587 64	.....	.....	.....	6,587 64
84	Williamston Illuminating Co.	6,344 77	4,898 21	1,446 56	110 00	.....	110 00	1,556 56
	Total, Class C	.....	.....	.....	.....	.....	.....	.....
	Total, Classes A, B and C	.....	.....	.....	.....	.....	.....	.....

a. This item is transferred to Railway Corporate Accounts.

TABLE NO. 0.—INCOME STATEMENT.—CLASSES A, B AND C.—Continued.

Number.	Operating utility.	Deductions from income. Interest on funded debt. (788)	Interest on unfunded debt. (789)	Extinguishments of discount on securities. (790)	Sinking fund accruals. (791)	Miscellaneous deductions from income. (792)	Extinguishment of premiums on debt—credit. (793)	Total deductions.	Net income. (Loss if in italics.)
	Classes A and B.								
1	Alpena Electric Light Co.							None	$8,907 71
2	Benton Harbor-St. Joe Railway & Light Co.							a	84,750 00
3	Boardman River Electric Light & Power Co.		$2,507 78					$2,507 78	12,580 57
4	Cheboygan Electric Light & Power Co.	$9,986 07	676 53	$1,433 90				12,096 50	15,291 80
5	Citizens Electric Company, The								
6	Citizens Light & Power Co., The	10,617 50	5,004 14		$5,370 71			20,992 35	17,143 01
7	Constantine Hydraulic Company	12,500 00	5,167 88			$2,799 96		20,467 84	10,034 04
8	Consumers Power Company	847,335 71	1,279 53	25,675 92		23,696 72		897,987 88	1,630,043 01
9	Detroit Edison Company, The	1,053,812 58	24,467 31	85,903 14		358,107 16		1,522,290 19	2,273,403 12
10	Edison Sault Electric Company		31 33			1,720 49		1,751 82	28,887 91
11	Escanaba Traction Company	38,500 00	357 22					38,857 22	18,721 96
12	Houghton County Electric Light Co.	32,790 41	249 73		a7,500 00	21,359 59		61,899 73	127,417 30
13	Indiana & Michigan Electric Co.	264,808 30	488 59	10,454 70		b96,000 00		371,751 59	299,930 51
14	Ionia Water Power Electric Co.								
15	Iron Mountain Electric Light & Power Co., The			3,177 63				3,177 63	11,677 17
16	Iron Range Light & Power Company	3,560 00	356 00					3,916 00	13,019 98
17	Ironwood & Bessemer Ry. & Light Company	72,496 71	262 89					72,759 60	82,542 63
18	Manistique Light & Power Company	4,000 00	376 80					4,376 80	6,019 52
19	Marquette County Gas & Electric Co.	24,600 00	912 87					25,512 87	47,040 29
20	Menominee & Marinette Light & Traction Co.	2,060 04	430 04					2,490 08	14,032 50
21	Michigan Power Company	58,100 00	1,400 50					59,500 50	37,904 99
22	Peninsular Power Company	20,774 50	1,205 05	2,050 00				24,029 55	107,951 38
23	Port Huron Gas & Electric Co.	55,395 00	45 76	3,600 00		d4,200 00		c63,240 76	70,261 14
24	Stearns Lighting & Power Company	5,272 07						5,272 07	38,897 90
25	Thornapple Gas & Electric Company, The							None	34,619 75
26	Central Michigan Light & Power Co.	5,280 00						5,280 00	*1,083 00*
	Total, Classes A and B								

	Class C.								
27	Alma Grain & Lumber Co. (Elec. Dept.)		$744 43					$744 43	$7,270 03
28	Alpena Power Company (Limited)								
29	Alpha Lighting Company								1,575 87
30	Antrim Light & Power Company								
31	Benzie County Power Company		480 00			$102 73		582 73	5,739 22
32	Big Rapids Electric Company		739 35					739 35	5,461 29
33	Boyne City Electric Company					d3,759 15		3,759 15	1,635 16
34	Boyne River Power Company					d593 37		593 37	2,000 00
35	Caro Light & Power Company	$4,013 13						4,013 13	1,934 11
36	Centreville Water & Electric Co.					d762 46		762 46	2,999 83
38	Chippewa Edison Company					19 81		19 81	481 97
39	Citizens Light Company		230 70			410 70		641 40	786 54
40	Cleveland-Cliffs Iron Co., The							None	7,425 42
41	Continental Utilities Company								101 60
42	Dundee Power Company								1,552 39
43	East Jordan Electric Light and Power Co.	3,000 00	951 76			22 50		3,974 26	3,001 02
44	Eesley Light & Power Company	705 00	636 92					1,341 92	2,731 41
45	Electric Light & Power Company	845 00	352 18					1,197 18	7,588 42
46	Elk Electric Company							None	1,048 09
47	Estate of P. D. Beckwith, Inc., The								16,279 86
50	Fowlerville Lighting Company	840 00						840 00	*528 34*
51	Frankenmuth Light and Power Company								418 34
52	Gladwin Light & Power Co.	4,500 00	2,586 55					7,086 55	295 36
53	Grayling Electric Company								5,021 47
54	Harbor Electric Company, The					d436 05		436 05	1,890 00
55	Hart Milling & Power Company	941 08						941 08	1,065 03
56	Homer Electric Light & Power Co.								2,501 89
57	Hydraulic Power & Light Company							None	1,165 32
58	Independent Power Company								*1,003 02*
59	Kalkaska Light & Power Company		929 37					929 37	2,260 04
60	Lapeer Gas-Electric Company	2,500 00	500 00					3,000 00	1,327 64
61	Leland Light & Power Company	5,000 00	38 24			64 50		5,102 74	*341 95*
63	Milford Electric Company		1,252 33					1,252 33	120 28
64	Milling & Power Company	1,097 53						1,097 53	1,874 60
66	Munising Company, The								2,903 81
67	Northern Industrial Power Co.							None	*95 94*
68	Onaway Electric Light & Power Co.	2,220 00	78 42			3,000 00		5,298 42	3,707 04
69	Osceola Light & Power Company	1,430 00	1,481 16					2,911 16	1,815 16
72	River Raisin Hydro-Electric Co.	678 03	1,277 12					1,955 15	*1,274 99*
73	Rogers City Electric Light & Power Co.							None	912 26

TABLE NO. 0.—INCOME STATEMENT.—CLASSES A, B AND C.—Continued.

Number.	Operating utility.	Deductions from income.							Net income. (Loss if in italics.)
		Interest on funded debt. (788)	Interest on unfunded debt. (789)	Extinguishment of discount on securities. (790)	Sinking fund accruals. (791)	Miscellaneous deductions from income. (792)	Extinguishment of premium on debt—credit. (793)	Total deductions.	
74	Rouge River Electric Light & Power Co.					$3,200 00		$3,200 00	$3,104 71
75	Southern Michigan Light & Power Co.	$2,035 00	$311 44					2,346 44	9,305 06
76	Spencer Electric Light & Power Co., The					d3,328 08		3,328 08	4,350 65
77	Tecumseh Electric Co., The	2,762 50		$784 70		202 05		3,749 25	5,426 50
78	Three Rivers Light & Power Co.		99 89					99 89	*648 97*
79	Toledo, Ottawa Beach & Northern Ry. Co., The								
80	Toledo & Western R. R. Co., The								
81	Tower Electric Co., The R. J.							None	9,295 34
82	United Electric Co. of St. Joseph County	367 50	571 58			d3,090 26		4,029 34	2,558 30
84	Williamston Illuminating Co.	500 00	63 64			3 78		567 42	989 14
	Total, Class C								
	Total, Classes A, B and C								

a Money appropriated for improvement fund.
b This item is made up of: Extinguishment of Organization Expenses, $6,000.00; Depreciation (Reserve Charge), $90,000.00.
c This total includes $4,200 Depreciation Electric.
d Depreciation expenses improperly shown as a deduction from income.

TABLE NO. 0.—INCOME STATEMENT.—CLASSES A, B AND C.—Concluded.

Number.	Operating utility.	Appropriations. Dividends declared. (795) On Common stock.	On Preferred stock.	Expenses elsewhere unprovided for. (796a)	Adjustment of accounts of previous years. (796b)	Total.	Profit or loss for year (Loss if in italics.)	Profit and loss at beginning of year.* (400)	Profit and loss at close of year.* (400)
	Classes A and B.								
1	Alpena Electric Light Co.	$5,522 00				$5,522 00	$3,385 71		$3,385 71
2	Benton Harbor-St. Joe Railway & Light Co.					a.	a84,750 00		
3	Boardman River Electric Light & Power Co.			$659 51		659 51	11,921 06	$103,622 64	115,543 70
4	Cheboygan Electric Light & Power Co.			294 67		294 67	14,997 13	18,626 70	33,623 83
5	Citizens Electric Company, The								
6	Citizens Light & Power Co., The	6,750 00	2,250 00	640 52	*$4,677 89*	4,962 63	12,180 38	146,526 29	158,706 67
7	Constantine Hydraulic Company	6,400 00				6,400 00	3,634 04	36,900 34	40,534 38
8	Consumers Power Company	843,045 00	466,041 66		93,158 50	1,402,245 16	227,797 85	1,400,469 42	1,628,267 27
9	Detroit Edison Company, The	1,487,721 12		205,473 22	232,024 11	1,925,218 45	348,184 67	1,558,000 69	1,906,185 36
10	Edison Sault Electric Company	27,000 00		148 95	3,187 51	30,336 46	*1,448 55*	66,636 75	65,188 20
11	Escanaba Traction Company	15,000 00				15,000 00	3,721 96	143,232 56	146,954 52
12	Houghton County Electric Light Co.	50,000 64	18,000 00	c16,617 50	*1,864 61*	82,753 53	44,663 77	256,376 21	301,039 98
13	Indiana & Michigan Electric Co.	201,678 00			6,359 39	208,037 39	91,893 12	432,741 32	524,634 44
14	Ionia Water Power Electric Co.								
15	Iron Mountain Electric Light & Power Co., The	8,000 00				8,000 00	3,677 17	20,517 57	24,194 74
16	Iron Range Light & Power Company	13,000 00				13,000 00	19 98	21,762 26	21,782 24
17	Ironwood & Bessemer Ry. & Light Company	107,500 00	20,317 08	d20,000 00	20,206 73	168,023 81	*85,481 18*	296,058 80	210,577 62
18	Manistique Light & Power Company				1,411 15	1,411 15	4,608 37	36,802 90	41,411 27
19	Marquette County Gas & Electric Co.	30,000 00	7,500 00			37,500 00	9,540 29	50,277 87	59,818 16
20	Menominee & Marinette Light & Traction Co.	11,938 14				11,938 14	2,094 36	8,145 63	10,239 99
21	Michigan Power Company					None	37,904 99	37,444 47	75,349 46
22	Peninsular Power Company	52,500 00	30,827 23	e3,000 00		86,327 23	21,624 15	24,107 70	45,731 85
23	Port Huron Gas & Electric Co.	68,044 04				68,044 04	2,217 10	68,044 04	70,261 14
24	Stearns Lighting & Power Company	20,000 00				20,000 00	18,897 90	104,138 96	123,036 86
25	Thornapple Gas & Electric Company, The	24,982 00		351 95		25,334 45	9,637 25	5,630 96	14,916 26
26	Central Michigan Light & Power Co.					None	*1,083 00*		
	Total, Classes A and B								

TABLE NO. 0.—INCOME STATEMENT.—CLASSES A, B AND C.—Concluded.

Number.	Operating utility.	Appropriations. Dividends declared. (795) On Common stock.	On Preferred stock.	Expenses elsewhere unprovided for. (796a)	Adjustment of accounts of previous years. (796b)	Total.	Profit or loss for year (Loss if in italics.)	Profit and loss at beginning of year.* (400)	Profit and loss at close of year.* (400)
	Class C.								
27	Alma Grain & Lumber Co. (Elect. Dept.)					None	f$7,270 03		
28	Alpena Power Company, (Limited)								
29	Alpha Lighting Company						1,575 87	$1,386 74	$2,962 61
30	Antrim Light & Power Company								
31	Benzie County Power Company						5,739 22	10,552 34	16,291 56
32	Big Rapids Electric Company	$3,035 20			*$802 72*	$2,232 48	3,228 81	12,458 43	15,687 24
33	Boyne City Electric Company						1,635 16		
34	Boyne River Power Company	2,000 00				2,000 00	None		None
35	Caro Light & Power Company						1,934 11		1,934 11
36	Centerville Water & Electric Co.	3,250 00				3,250 00	*250 17*	3,526 63	3,276 46
38	Chippewa Edison Company	None	None		41 79	41 79	440 18	215 03	655 21
39	Citizens Light Company				651 27	651 27	135 27	3,522 51	3,657 78
40	Cleveland-Cliffs Iron Co., The						7,425 42	23,288 10	30,713 52
41	Continental Utilities Company						101 60		101 60
42	Dundee Power Company						1,552 39		
43	East Jordan Electric Light & Power Co.				*67 15*	*67 15*	3,068 17	3,186 64	6,254 81
44	Eesley Light & Power Co.	1,800 00				1,800 00	931 41	14,905 49	15,836 90
45	Electric Light & Power Company					None	7,588 42	20,130 63	27,719 05
46	Elk Electric Company	750 00			*8 87*	741 13	306 96	705 57	1,012 53
47	Estate of P. D. Beckwith, Inc., The	13,000 00				13,000 00	3,279 86		
50	Fowlerville Lighting Company					None	*528 34*	*58 01*	*586 35*
51	Frankenmuth Light & Power Company						418 34		418 34
52	Gladwin Light & Power Company				112 80	112 80	182 56	*3,577 06*	*3,394 50*
53	Grayling Electric Company	4,000 00				4,000 00	1,021 47	3,939 54	4,961 01
54	Harbor Electric Company	890 00				890 00	1,000 00	3,890 00	4,890 00

55	Hart Milling & Power Company						1,065 03			
56	Homer Electric Light & Power Co	2,800 00				2,800 00	*298 11*	1,184 89		886 78
57	Hydraulic Power & Light Company					None	1,165 32	*352 37*		812 95
58	Independent Power Company						*1,003 02*	*1,883 34*		*2,886 36*
59	Kalkaska Light & Power Company					None	2,260 04	7,160 18		9,420 22
60	Lapeer Gas-Electric Company	None					1,327 64			
61	Leland Light & Power Company				*244 10*	*244 10*	*97 85*	35,763 99		35,666 14
63	Milford Electric Company					None	120 28	12,812 85		12,933 13
64	Milling & Power Company	1,440 00				1,440 00	434 60	17,108 08		17,542 68
66	Munising Company, The						2,903 81	16,168 22		19,072 03
67	Northern Industrial Power Co					None	*95 94*	*44 78*		*140 72*
68	Onaway Electric Light & Power Co					None	3,707 04	13,005 40		17,658 67
69	Osceola Light & Power Company					None	1,815 16	5,406 49		7,221 65
72	River Raisin Hydro-Electric Co					None	*1,274 99*	*1,280 12*		*2,555 11*
73	Rogers City Electric Light & Power Co					None	912 26	1,964 94		2,877 20
74	Rouge River Electric Light & Power Co	960 00				g3,760 00	*655 29*			*655 29*
75	Southern Michigan Light & Power Co					None	9,305 06			9,305 06
76	Spencer Electric Light & Power Co., The				7.50	7 50	4,358 15			4,358 15
77	Tecumseh Electric Co., The					None	5,426 50			5,426 50
78	Three Rivers Light & Power Co					None	*648 97*	937 51		288 54
79	Toledo, Ottawa Beach & Northern Ry. Co., The									
80	Toledo & Western R. R. Co., The									
81	Tower Electric Co., The R. J					None	9,295 34			9,295 34
82	United Electric Co. of St. Joseph County		3,269 56			3,269 56	*711 26*			*711 26*
84	Williamston Illuminating Co				*193 50*	*193 50*	1,182 64	3,527 45		4,710 09
	Total, Class C									
	Total, Classes A, B and C									

*Deficit if in italics.

a Net corporate income only is shown in this statement. Deductions and appropriations are shown in Railway report, the net income from Electric operations being carried thereto.

c Special Reserve—Transfer.

d Depreciation, Expense Account $775.

e Insurance Reserve.

f Balance is taken to corporate books, general.

g This total includes $2,800.00 appropriated to retire funded debt.

TABLE NO. 1.—PRODUCTION STATISTICS.—STEAM POWER.

Number.	Name of company.	Designation of station.	Bituminous coal consumed.		Pounds of coal consumed.		K. W. Hrs. output per pound of coal.	B. T. U. per pound of coal.	B. T. U. per K. W. Hrs. output.
			Tons. (2000 lbs.)	Price per ton.	Per K. W. Hrs. produced.	Per K. W. Hrs. output.			
6	Citizens Light & Power Co., The	Adrian	5,596	$2.20	5.07	5.63	.018		
8	Consumers Power Company	Grand Rapids—							
		Wealthy St.	56 540	2.71	2.61		.383	12,896	33.659
		*Fulton	8,540	2.59	33.66		.030	13,694	460,940
		*Market	5,585	3.46	3.56		.281		
		Kalamazoo	12,843	2.69	3.43		.292	12,432	83,455
		Battle Creek—							
		Elin St.	46,459	2.86	2.85		.389	13,025	37,121
		*Jackson St.	2,027	2.36	24.78		.040	13.519	335,001
		Jackson	38,835	2.46	2.45		.408	13,308	32,605
		Flint	27,432	2.49	3.34		.300	13,182	44,028
		Saginaw—							
		No. 1	7,221	3.46	5.84		.171		
		*No. 2	3,875	1.93					
		Bay City	3,124	3.46	9.10		.110		
		Manistee	153	3.46	13.82		.072		
		Cadillac							
		Clio and Zeeland	653	3.46	13.86		.072		
		Total	*213,287*	*$2.69*	*3.00*		*.335*		
9	Detroit Edison Company, The	Delray	387,258	2.38		2.02	.495	13,390	27,050
		Connors Creek	118,026	2.38		1.45	.689	13,600	19,710
		*Pontiac	3,557	2.60					
		Mt. Clemens	462	3.34		3.63	.116		
		Total	*509,303*	*$2.39*		*1.86*	*.538*	*13,440*	*25,150*
12	Houghton County Electric Light Company	Houghton	15,348	3.36		2.84	.351	14,720	41,850
13	Indiana & Michigan Electric Company	South Bend	27,021	2.00	7.35		.136		
17	Ironwood & Bessemer Railway & Light Co.	Ironwood	4,504	3.40	a9.27				
		Bessemer	1,553	3.40	a16.21				
19	Marquette County Gas & Electric Co.		4,120	3.50	4.75	4.79			
21	Michigan Power Company	Lansing, Ottawa St.	28,818	2.80	8.24		.12	13,500	111,240
22	Peninsular Power Company	Iron River	b1,144	4.85		5.74	.017		
23	Port Huron Gas & Electric Co.	Port Huron	12,146	2.59	4.09	4.09			
24	Stearns Lighting & Power Co., The	Ludington	c.						
25	Thornapple Gas & Electric Co.	Hastings	b839	4.13	11.80				

40	Cleveland-Cliffs Iron Co., The	Negaunee	3,681	2.46	.....	4.26	.234	.....	.....
		Gwinn	2,380	2.70	.....	4.71	.213	.....	.....
		Total	*6,061*	*2.55*	.....	.....	.....	.....	.....
45	Electric Light & Power Co	Munising	d.	.....	.....	.....	.....	.....	.....
75	Southern Michigan Light & Power Co	Hudson, Morenci, Fayette	1,559	3.35	.....	3.80	.263	.....	.....
	Total		831,335	.....	.....	2.28	.439	.....	.....

*Plants are partially devoted to heating service.
a Boilers are kept fired for emergency service.
b Emergency service only.
c Steam is purchased by this station.
d. Saw mill refuse for fuel.

TABLE NO. 2.—STATION OUTPUT.—Continued.

Number.	Name of company.	Designation of station.	Full load capacity of stations, K. W.	Kilowatt hours generated.		Minimum output in any one day.		How output is measured.	How output is estimated, if estimated.
				Total during year.	Average per day.	Date.	K. W. Hrs.		
	Steam Power.								
4	Cheboygan Electric Light & Power Co.	Cheboygan	200	1,200					Estimated.
6	Citizens Light & Power Co., The	Adrian	1,500	2,206,175	6,028	July 4	2,275	S. W. bd. met.	
8	Consumers Power Company	Grand Rapids—							
		Wealthy St.	12,000	43,267,689	118,218	Mar. 12	1,787		
		Fulton St.	900	507,440	1,386	Oct. 2	76		
		Market St.	3,600	3,138,592	8,575	Dec. 24	1,845		
		Kalamazoo	3,000	7,488,000	20,459	June 23	400		
		Battle Creek—							
		Elm St.	7,500	36,160,570	98,799	Dec. 3	580		
		Jackson St.	350	163,563	447	Oct. 14	2		
		Jackson	9,000	31,702,247	86,618	Nov. 27	280		
		Flint	13,500	16,436,898	44,910	April 4	450		
		Saginaw—							
		No. 1	2,500	2,473,507	6,758	Oct. 7	140		
		No. 2	500						
		Bay City	1,500	686,576	1,876	Dec. 29	2,083		
		Manistee	500	22,200	61	Sept. 9	790		
		Cadillac	700	734,009	2,005	Dec. 27	1,400		
		Clio and Zeeland		94,155	257	July 30	31		
		Total	*55,550*	*142,875,446*	*390,370*	*Jan. 30*	*141*	Metered	
9	Detroit Edison Company, The	Delray	89,000	382,021,900	1,046,000	Jan. 2	484,800		
		Connors Creek	40,000	162,117,600	444,000	Sept. 10	141,000		
		Pontiac	1,300	2,700					
		Mt. Clemens	500	103,600	300				
		St. Heating dept.		2,785,800	7,600				
		Total	*130,800*	*547,031,600*	*1,500,000*			b.	
12	Houghton County Electric Light Co.	Houghton	2,800	10,796,659	29,499			Metered	
13	Indiana & Michigan Electric Company	South Bend	8,000	7,350,000	20,082	Jan. 1		Rec. W. meter.	
17	Ironwood & Bessemer Railway & Light Co.	Ironwood	720	971,120		Oct.			
		Bessemer	350	191,600		July			
		Total	*1,070*	*1,162,720*					

19	Marquette County Gas & Electric Co.		1,700	1,734,012	4,738	May 21	2,474	Meter	
21	Michigan Power Company	Lansing, Ottawa St.	3,500	6,988,850	19,147	Mar. 26	1,650	Meters	
22	Peninsular Power Company	Iron River	3,000	398,275	1,080				
23	Port Huron Gas & Electric Co.	Port Huron	4,300	5,937,550	16,267	May 28	8,923	Rec. W-meter	
24	Stearns Lighting & Power Co., The	Ludington	1,640	3,933,804	10,777	June 11	6,085	Watt Meters	
25	Thornapple Gas & Electric Co.	Hastings	700	142,140	389	Jan. 8	10	Watt-hr. met'rs	
40	Cleveland-Cliffs Iron Co., The	Negaunee		1,727,475					
		Gwinn		1,223,450					
		Total		*2,950,925*				Metered	
45	Electric Light & Power Company	Munising	500	588,790	1,613	June 11	960		
75	Southern Michigan Light & Power Co.	Hudson		389,130	1,247				
		Morenci		431,640	1,182				
		Fayette							
		Total		*820,870*					
	Totals, Steam Power		215,260	734,918,916	2,007,975				
	†Total, Hydraulic Power		90,660	330,978,075	904,312				
	*Total, Table 2		305,920	1,065,896,991	2,912,287				

b. Integrating Watthour meters.
†Brought from following pages.
*Many of the utilities reporting are unable to show this data, hence this is not a true total for all operating in the state.

TABLE NO. 2.—STATION OUTPUT.—Continued.

Number.	Name of company.	Designation of station.	Maximum peak load (K. W.) for 30 minutes.						Maximum demand factor for year.	Load factor for the year.
			January.	February.	March.	October.	November.	December.		
	Steam Power.									
4	Cheboygan Electric Light & Power Co.	Cheboygan							.37	.25
6	Citizens Light & Power Co., The								No record	No record
8	Consumers Power Company	Grand Rapids—								
		Wealthy St.	12,000	12,000	12,000	12,800	13,100	8,800		
		Fulton St.	247	241	241	234	324	252		
		Market St.				3,534	3,492	4,150		
		Kalamazoo			4,000	4,000	4,000	4,000		
		Battle Creek—								
		Elm St.	9,000	8,900	9,700	9,900	10,000	10,000		
		Jackson St.	260	290	150		300	400		
		Jackson	7,500	9,000	8,000	8,250	8,500	9,000		
		Flint	5,600	3,700	4,000	5,600	7,700	11,700		
		Saginaw—								
		No. 1	3,290	1,825		2,340	2,760	2,868		
		No. 2								
		Bay City	935		700	945	1,054	1,098		
		Manistee								
		Cadillac	366	237	216	391	414	436		
		Clio and Zeeland								
		Total	*32,998*	*29,713*	*33,263*	*41,435*	*46,888*	*45,885*		
9	Detroit Edison Company, The	Delray	86,200	79,450	76,650	86,100	92,200	93,300		
		Connors Creek	18,490	20,000	20,000	30,000	35,000	36,300		
		Pontiac								
		Mt. Clemens								
		Steam heat dept.								
12	Houghton County Electric Light Co.	Houghton	2,750	2,880	2,930	3,290	3,260	3,275	1.169	.376
13	Indiana & Michigan Electric Co.	South Bend, Ind.	3,100	3,000	1,900	6,600	5,200	3,300		
17	Ironwood & Bessemer Railway & Light Co.	Ironwood	No data							
		Bessemer	No data							
19	Marquette County Gas & Electric Co.		445	436	425	620	663	670	.508	.390
21	Michigan Power Company	Lansing, Ottawa St.	3,400	2,950	3,450	2,450	2,050	3,700		
22	Peninsular Power Company	Iron River			2,300	2,100		300		
	Port Huron Gas & Electric Company	Port Huron	1,950	1,500	1,500	1,600	1,800	2,000	.465	.381
	Stearns Lighting & Power Co., The	Ludington	No record							
	Thornapple Gas & Electric Co.	Hastings	140	100	100	150	440	440		

40	Cleveland-Cliffs Iron Co., The	Negaunee								
		Gwinn								
45	Electric Light & Power Company	Munising	52	52	52	52	52	52	.011	1.292
75	Southern Michigan Light & Power Co	Hudson								
		Morenci								
		Fayette								

TABLE NO. 2.—STATION OUTPUT.—Continued.

Number.	Name of company.	Designation of station.	Full load capacity of station, K. W.	Kilowatt hours generated.		Minimum output in any one day.		How output is measured.	How output is estimated, if estimated.
				Total during year.	Average per day.	Date.	K. W. Hrs.		
	Hydraulic Power.								
3	Boardman River Electric Light & Power Co.	Traverse City, 2	700	1,477,400	4,036	Oct. 1	60	Metered	
4	Cheboygan Electric Light & Power Co.	Black River	1,000	992,110					
		Maple River	150	78,682				Rec. W-meters	
7	Constantine Hydraulic Co.	Constantine	1,200	1,513,520	4,176				a.
8	Consumers Power Company	Rogers	4,500	20,754,750	56,707	Dec. 17	2,500		
		Croton	11,900	34,376,640	93,925	Dec. 21	28,390		
		Lowell, No. 1	600	3,479,700	9,507	Aug. 13	200		
		Lowell, No. 2	250	20,460	56	May 13	10		
		Grand Rapids, W. S.	150	400,660	1,095				
		Stronach	800	2,360,600	6,450	May 12	4,200		
		Allegan	300	2,389,490	6,529	May 20	1,090		
		Trowbridge	1,500	8,851,400	24,184	Aug. 19	2,700		
		Otsego	1,500	4,807,500	13,135	Aug. 20	4,300		
		Plainwell	1,000	3,317,700	9,065	Feb. 13	500		
		Battle Creek	150	851,850	2,327	July 27	50		
		Ceresco	600	2,035,060	5,560	Oct. 15	10		
		Albion	150	438,512	1,198	Aug. 2	256		
		Webber	2,500	10,841,540	29,622	Aug. 27	500		
		Shiawassee	150	629,441	1,720	Aug. 24	38		
		Cooke	9,000	30,789,223	84,124	Mar. 29	110		
		Five Channels	6,000	24,463,800	66,841	Aug. 6	9,900		
		Loud	4,000	19,402,147	53,011	Mar. 29	21		
		Mio	5,000	14,700	40	Dec. 30	5,300		
		Total	*50,050*	*170,225,173*	*465,096*	*Dec. 17*	*204,434*		
	Total, Steam and Hydraulic		*105,600*	*313,100,619*	*855,466*	*Jan. 2*	*443,673*	Metered	
9	Detroit Edison Company, The	Argo	1,075	3,381,400	9,250				
		Barton	1,500	7,288,100	20,000				
		Geddes	c.	1,047,500	2,870				
		Superior	700	3,251,000	8,900				
		Total	*3,275*	*14,968,400*	*41,000*				
	Total, Steam and Hydraulic		*134,075*	*561,999 600*	*1,541,000*			b.	

10	Edison Sault Electric Co	Sault Ste. Marie	1,920	5,500,000	15,027	Mar. 19	5,100	Wattmeter	
11	Escanaba Traction Company	Flat Rock, (No. 1)	900	3,626,605	9,936	Oct. 1	2,730		
		Gross, (No. 2)	800	399,112	1,093	Oct. 14	3,000		
		Chandlers Falls (3)	2,500	3,929,800	10,766	Jan. 13	3,900		
		Total	*4,200*	*7,955,517*	*21,795*		*9,630*	Meters	
13	Indiana & Michigan Electric Company	Elkhart, Ind	2,000	11,065,500		Sept. 7	15,500		
		Twin Branch, Ind	4,000	15,837,300			13,700		
		Buchanan, Mich	1,500	9,544,717			15,800		
		Berrien Spgs., Mich	5,400	20,219 700			21,000		
		Total	*12,900*	*56,667,217*			*66,000*	Rec. Watt-m.	
	Total, Steam and Hydraulic		*20,900*	*64,017,217*		*April 18*	*91,900*		
14	Ionia Water Power Electric Co	Lyons	450	1,230,000	3,369				
17	Ironwood & Bessemer Railway & Light Co	Saxon	1,250	6,069,600		Feb.			
		Mellen	450	1,670,600		Dec.			
		Total	*1,700*	*7,740,200*					
	Total, Steam and Hydraulic		*2,770*	*8,902,920*				Metered	
20	Menominee & Marinette Light & Traction Co	Ingalls	2,250	3,978;231	10,900	July 5	2,302	Metered	
21	Michigan Power Company	Lansing, Pine St	1,080	2,761,460	7,565	July 21	360		
	Total, Steam and Hydraulic		*4,580*	*9,750,310*	*26,712*			Meters	
22	Peninsular Power Company	Twin Falls	6,000	20,777,475	56,770	May 9	12,825		
	Total, Steam and Hydraulic		*9,000*	*21,175,750*	*57,850*	*April 23*	*35,025*		
25	Thornapple Gas & Electric Co	La Barge	440	1,748,500	4,780	Aug. 27	700	Watt-hr.met'rs	
	Total, Steam and Hydraulic		*1,140*	*1,890,640*	*5,169*				
28	Alpena Power Co., (Ltd.) The	Alpena	1,080	2,741,410	7,510	Dec. 1	10,580	K. W. Meter	
34	Boyne River Power Co	Boyne River	300	469,740	1,271			Meters	
40	Cleveland-Cliffs Iron Co., The	Carp		23,200,600					
		Dead River		1,565,325					
		Total		*24,765,926*					
	Total, Steam and Hydraulic		*7,600*	*27,716,850*	*75,729*	*Oct 22*	*26,095*	Metered	

TABLE NO. 2.—STATION OUTPUT.—Continued.

Number.	Name of company.	Designation of station.	Full load capacity of station, K. W.	Kilowatt hours generated.		Minimum output in any one day.		How output is measured.	How output is estimated, if estimated.
				Total during year.	Average per day.	Date.	K. W. Hrs.		
57	Hydraulic Power & Light Co.	Bellaire	500	287,651	788	.....	.....	.....	.....
59	Kalkaska Light & Power Co.	Rugg	100	168,560	462	June 25	331	.....	From hourly log at station.
66	Munising Company, The	Au Train River	900	4,091,100	11,662	July 3	800	Metered	.....
69	Osceola Light & Power Co.	Reed City	125	163,353	447	.....	.....	.....	a.
72	River Raisin Hydro-Electric Company	Raisinville	100	300,000	820	.....	.....	.....	.....
76	Spencer Electric Light & Power Co., The	Smyrna	240,	376,450	1,031	Nov. 22	310	.....	.....
	Total, Hydraulic Power	.....	90,660	330,978,075	.....	.....	.....	.....	.....

a. Add 20% K. W. H. sold less amount purchased.
c. Plant is being reconstructed.
b. Integrating Watt-hour Meters.
s. 10% added to utilization meter reading. Street lighting utilization estimated upon basis of lamp ratings by formula + 10% for line loss.

TABLE NO. 2.—STATION OUTPUT.—Continued.

Number.	Name of company.	Designation of station.	Maximum Peak Load (K. W.) for 30 minutes.						Maximum demand factor for year.	Load factor for the year.
			January.	February.	March.	October.	November.	December.		
	Hydraulic Power.									
3	Boardman River Electric Light & Power Co	Traverse City 2	540	535	480	585	590	590		
4	Cheboygan Electric Light & Power Co	Black River							.370	.250
		Maple River								
7	Constantine Hydraulic Co	Constantine								
8	Consumers Power Company	Rogers	4,100	4,100	4,100	4,000	4,000	4,000		
		Croton	8,100	8,000	7,500	6,000	8,000	8,000		
		Lowell, No. 1	1,004	984	946	958	958	999		
		Lowell, No. 2								
		Grand Rapids, W. S.								
		Stronach	940	840	800	900	800	820		
		Allegan	315	315	390	400	395	400		
		Trowbridge	1,650	1,600	1,650	1,250	1,200	800		
		Otsego	1,200	1,250	1,200		1,200	1,200		
		Plainwell	700	530	640					
		Battle Creek	149	141	149	147	151	158		
		Ceresco	660	740	660	750	700	680		
		Albion	135	125	125	105	110	125		
		Webber	3,350	3,123	3,240	3,120	3,120	3,240		
		Shiawassee		143	183					
		Cooke	9,000	8,900	8,900	8,900	9,000	9,100		
		Five Channels	6,000	6,000	6,000	6,000	6,000	6,000		
		Loud	4,800	4,800	4,800	4,700	4,600	4,900		
		Mio			1,100					
		Total	*39,374*	*39,092*	*37,869*	*37,442*	*36,882*	*38,712*		
	Total, Steam and Hydraulic		*62,062*	*54,626*	*56,699*	*72,469*	*80,089*	*81,542*	.759	.437
9	Detroit Edison Company, The	Argo								
		Barton								
		Geddes								
		Superior								
	Total, Steam and Hydraulic		*107,200*	*100,800*	*99,800*	*117,000*	*128,000*	*130,800*	.975	.489

10	Edison Sault Electric Co.	Sault Ste. Marie	1,105	1,020	835	1,300	1,400	1,350	d.807	d.404
11	Escanaba Traction Company	Flat Rock (No. 1)	700	700	770	805	795	940		
		Groos (No. 2)	815	505	470	460	425	425		
		Chandlers Falls (3)	600	700	700	1,000	800	800		
		Total	*2,115*	*1,905*	*1,940*	*2,265*	*2,020*	*2,165*	.539	.400
13	Indiana & Michigan Electric Company	Elkhart, Ind.	2,100	2,100	2,200	2,200	2,200	2,100		
		Twin Branch, Ind.	4,300	4,300	4,400	3,600	3,800	4,400		
		Buchanan	1,500	1,300	1,500	1,500	1,600	1,600		
		Berrien Springs	4,100	4,000	3,600	3,800	3,900	4,200		
		Total	*12,000*	*11,700*	*11,700*	*11,100*	*11,400*	*12,300*		
	Total, Steam and Hydraulic							*17,200*	1.029	.313
17	Ironwood & Bessemer Railway & Light Co.	Saxon	No data							
		Mellen	No data							
20	Menominee & Marinette Light & Traction Co.	Ingalls	950	850	850	900	900	900	.422	.478
21	Michigan Power Company	Lansing, Pine St.	1,230	1,190	1,200	1,000	1,080	1,090		
	Total, Steam and Hydraulic		*4,100*	*3,960*	*4,150*	*3,250*	*3,090*	*4,700*	e1.03	.236
22	Peninsular Power Company	Twin Falls	3,150	3,200	3,450	4,300	4,000	4,200		
	Total, Steam and Hydraulic		*3,150*	*3,200*	*3,450*	*4,300*	*4,000*	*4,200*	f.717	.567
25	Thornapple Gas & Electric Co., The	La Barge	493	484	450	455	477	482		
	Total, Steam and Hydraulic								.461	.446
28	Alpena Power Co. (Ltd.) The	Alpena	225	225	235	440	330	270		
34	Boyne River Power Co.	Boyne River	235	267	314	248	284	319		
40	Cleveland-Cliffs Iron Co., The	Carp								
		Dead River								
	Total, Steam and Hydraulic							*5,000*	.660	.633
57	Hydraulic Power & Light Co.	Bellaire								
59	Kalkaska Light & Power Co.	Rugg	No record						.487	.223
66	Munising Company, The	Au Train River						750	.833	.646
69	Osceola Light & Power Co.	Reed City							.800	.186
72	River Raisin Hydro-Electric Co.	Raisinville								
76	Spencer Electric Light & Power Co., The	Smyrna	130	130	128	160	185	205	.859	.209

d. Computed on instantaneous basis at 1,550 K. W. maximum peak load.
e. Peak loads and factors are given for 1 hour period.
f. Peak loads and factors are given for 3 minute period.

STATISTICS

TELEPHONE UTILITIES

FOR THE

YEAR ENDING DECEMBER 31, 1917.

NOTE: The data herein published for telephone utilities operating in the state is not complete data for the state but is a compilation of all data reported to the Commission by the utilities. Some utilities have failed to report the full information required by the Commission. Deficiencies will be observed in the data.

TABLE NO. 1.—FACILITIES AND OPERATING STATISTICS.

	Facilities at end of year.				Operating data for year.		
	Miles of pole line.	Miles of wire in cable.	Miles of aerial wire.	Total miles of all wire.	Average number of local exchange messages originated per month.	Average number of toll messages originated per month.	Number of subscribers at close of year.
CLASS A.							
Citizens Telephone Company of Grand Rapids	4,109	69,192	26,059	95,251	8,216,887	85,355	38,576
Michigan State Telephone Company	15,692.03	652,978.80	143,272.56	796,151.36	49,784,570	514,717	254,481
Union Telephone Company	2,158.14	8,784.16	11,625.91	10,410.07	2,157,833	43,827	14,458
CLASS B.							
Citizens Telephone Company of Jackson	119	7,128	1,412	8,540	380,635	2,978	2,698
Central Union Telephone Company	68.75	16.91	466.96	483.87	11,100	120	109
Lenawee County Telephone Company	281	2,962	1,731	4,693	No statement	.....	3,705
Southern Michigan Telephone Company	2,082.75	6,578	11,765	18,343	924,210	184,842	6,021
United Home Telephone Company	1,033	10,686	7,370	18,056	1,577,485	15,195	7,391
Valley Home Telephone Company	No Statement	.....	.....	.....	.....	.....	.....
Van Buren County Telephone Company	761.60	1,421.61	3,687.37	5,108.98	500,000	20,000	2,791
CLASS C.							
Benzie Consolidated Telephone Company	375	88	1,156	1,244	3,200	2,800	841
Blissfield Telephone Company	100	120	480	600	No Statement	1,250	845
Brown City Telephone Company	75	25.75	215	240.75	20,000	1,500	505
Calhoun County Telephone Company	199	124	1,004	1,128	105,000	2,000	784
Camden Rural Telephone Company	185	12	573	585	117,849	1,240	930
Cass City Telephone Company	158	37	488	525	90,000	600	641
Cass County Home Telephone Company	396	1,027.42	1,766.30	2,793.72	No Statement	1,220	1,556
Central Michigan Telephone Company	160	210	560	770	86,900	1,500	1,065
Chesaning Home Telephone Company	75	172	378	550	No Statement	1,100	490
Clinton Telephone Company	250	500	1,025	1,525	150,285	714	1,083
Consolidated Telephone Company	392	100	1,102	1,202	170,000	4,270	1,588
Croswell Telephone Company	194	.....	574	574	No Statement	.....	520
Citizens Telephone Company	60	4,074	387	4,461	229,240	1,626	1,423
Eaton County Telephone Company	104.50	1.50	521	522.50	53,100	1,181	855
Farmers Telephone Company of Dundee and Azalia	84	400	400	800	13,500	8,000	540

TABLE NO. 1.—FACILITIES AND OPERATING STATISTICS.—Continued.

	Facilities at end of year.				Operating data for year.		
	Miles of pole line.	Miles of wire in cable.	Miles of aerial wire.	Total miles of all wire.	Average number of local exchange messages originated per month.	Average number of toll messages originated per month.	Number of subscribers at close of year.
CLASS C—Continued.							
Grand Ledge Telephone Company	125	500	745	1,245	116,000	1,100	1,046
Hillsdale County Telephone Company	175	.....	900	900	No Statement	.....	900
Home Telephone Company of Grass Lake	177	200	638	838	75,000	800	637
Home Telephone Company of Angola	491	178	1,785	1,963	No Statement	.....	2,838
Leslie Home Telephone Company	77	1.25	320	321.25	.....	1,000	570
Livingston County Mutual Telephone Co.	285.75	228.23	1,328.83	1,557.06	.....	.....	1,440
Manistique Telephone Company	41	335	245	580	57,000	850	512
Michigan Independent Telephone & Traffic Association	.....	.....	.....	(Ls'd) 14,577	.....	.....	.....
Morenci Telephone Company, The	77	3	474	477	120,000	2,800	830
Onaway-Alpena Telephone Company	503	120.53	2,138	2,258.53	347,292	5,370	1,571
Ontonagan County Telephone Company	66	11	154	165	No Statement	1,250	270
Reading Central Telephone Company	22.12	196	53	249	9,000	816	512
Saline Telephone Company	102	226	556	782	No Statement	.....	636
Tecumseh Telephone Company	45	150	390	540	100,000	1,400	637
Traverse Bays Telephone Company	241	62	865	927	54,258	2,146	715
Western Allegan County Telephone Company	96	18	236	254	No Statement	585	546
Williams County Telephone Company	499.25	1,049	3,004.50	4,053.50	.....	.....	3,724
CLASS D.—Incorporated.							
Alamo Mutual Telephone Company	42.50	65	.....	65	91	40	140
Allen Mutual Telephone Company	40	.....	40	40	No Statement	.....	274
Allendale Telephone Company	57	.66	220	220.66	6,000	30	240
Algansee Telephone Company	26	.....	81	81	No Statement	.....	106
Adamsville Telephone Union	75	.....	75	75	No Statement	.....	145
Anchor Bay Telephone Company	26	.....	52	52	No Statement	.....	195
Arenac, Ogemaw & Iosco Telephone Company	58	.....	70	70	No Statement	.....	75
Augusta Telephone Company	1.54	.....	1.54	1.54	No Statement	55	148
Aurelius & Vevay Telephone Company	36	.....	72	72	No Statement	.....	110
Avoca Telephone Company	33	.....	72	72	No Statement	.....	85

Alger Telephone Company	6.50		13.50	13.50	No Statement	75	20
Alpha Telephone Company	None	37	66.50	103.50	189	171	46
Arenac Telephone Company	No Statement		40	40			60
Baroda Telephone Company	58	3	200	203	400		200
Berrien County Home Telephone Company	31	6	192	198			108
Birch Lake Independent Telephone Company	No Statement						246
Black Ash Independent Telephone Company	15.50		40	40			37
Borculo Independent Telephone Company	69		135	135		75	242
Breedsville Mutual Telephone Company	25		48	48			119
Britton Telephone Company	75		110	110	6,000	150	279
Brookfield Mutual Telephone Company	13		29	29	1,000	100	90
Buckeye Telephone Company	39		78	78	300	90	71
Broomfield Telephone Company	21		60	60			109
Capore Telephone & Messenger Company	44	40	286	326	42,000	700	297
Cambria Rural Telephone Company	37		142	142	17,000	100	167
Carr Telephone Company	26		40	40			70
Central Citizens Telephone Association	23		51.75	51.75			124
Ceresco Telephone Company	14		31	31			46
Chambers Telephone Company	56		90	90		20	185
Chapin Mutual Telephone Company	26		52	52		40	45
Citizens Mutual Telephone Co. of Vantown	41		87	87			89
Citizens Telephone Co. of Berrien County	84.50		168	168	18,000	360	212
Citizens Telephone Company of Harrisville	85		245	245			250
Citizens Telephone Company of Marshall	41	486	198	684	32,812	327	113
Citizens Telephone Company of Schoolcraft	71	80	215	295	45,090	870	333
Clayton Telephone Company	34		65	65			248
Climax Citizens Telephone Company	59		216.50	216.50		50	180
Coloma Telephone Company	91		400	400			193
Columbiaville Telephone Company	70		400	400		750	440
Copper Branch Telephone Company	20.50		80	80			80
County Line Independent Telephone Company	35		60	60			148
Crystal Telephone Company	45	5	158	163		550	191
Daggett Nathan Faither Telephone Company	28		75	75		69	22
Davison Telephone Company	107	61	416	477	38,000	850	375
Dalton Telephone Company	28.50		86	86	1,200	300	53
Deerfield Farmers Telephone Company	110	13	407	420		500	520
East Alaiedon Telephone Company	9.50		27.50	27.50			23
East Shore Telephone Company	No Statement						40
Easton Independent Telephone Company	59		206	206			206
Ewen Telephone Company	No Statement						75

TABLE NO. 1.—FACILITIES AND OPERATING STATISTICS.—Continued.

	Facilities at end of year.				Operating data for year.		
	Miles of pole line.	Miles of wire in cable.	Miles of aerial wire.	Total miles of all wire.	Average number of local exchange messages originated per month.	Average number of toll messages originated per month.	Number of subscribers at close of year.
CLASS D, Incorporated—Continued.							
Farmers Mutual Telephone Company	30		60	60	60	60	130
Farmers Mutual Telephone Company of Grand Traverse	41		144	144		175	264
Farmers Telephone Company of Deckerville	112.50	67.50	325	392.50	42,000	600	380
Farmers Exchange Telephone Company	117		264	264			319
Farmers Independent Telephone Company of Temperance	45		60	60			300
Gaines Farmers Mutual Telephone Company	28		43	43			142
Gobleville Farmers Mutual Telephone Company	48		130	130		100	224
Grand Blanc Telephone Company	57		180	180			305
Grand Junction Telephone Company	20		55	55			92
Grawn Rural Telephone Company							
Grayling City Telephone Company	No Statement						327
Glenn Mutual Telephone Company	40		99.50	99.50	15,100	125	143
Hamilton Mutual Telephone Company	69		110	110	18,900	95	306
Harbor Beach Telephone Company	67.50		176.50	176.50		623	318
Highland Telephone Company							
Hollaway Telephone Company	38		90	90			139
Home Telephone Company	123	6	525	531		550	170
Huron Telephone Company, The	75		150	150			290
Ida Telephone Company	114	21	382	403		750	550
Independent Telephone Company	48		85	85			196
Iosco County Telephone Company	65		90	90			200
Kalkaska County Telephone Company	45		90	90		894	165
Keweenaw Bay Local Telephone Company	26		52	52		92	47
Lacey Mutual Telephone Company	41		146	146		65	156
Locota Mutual Telephone Company	27		46.50	46.50	4,500	10	69
Laporte Home Telephone Company	15		65	65			80
Lakefield Telephone Company	54		100	100			75
Leighton Telephone Company	42.50		225	225		160	203
Litchfield Farmers Mutual Telephone Co	64		124	124			364
Locke Mutual Telephone Company	250		250	250	25,000	250	350

Lyndille Telephone Company	35		65	65			105
Macon Telephone Company	70		150	150			200
Marenisco Telephone Company	24		48	48	150	70	10
Mason & Okemos Telephone Company	32		72	72			70
Matchwood McMillan Telephone Company	32		64	64			100
Montmorency County Telephone Company	60		90	90	100		65
Milford Home Telephone Company	100	600	380	990	18,000	940	406
Minden City Telephone Company	48		116	116			152
Missaukee Telephone Company	75		300	300			230
Montrose Home Telephone Company	8		28	28		400	220
Mundy Telephone Company	70		250	250	50,000	600	343
Munising Telephone Electric Company	7	62	36	98	15,000	1,200	302
Mutual Telephone Company of Lapeer	123	31	506	537			562
Mutual Telephone Company	30		120	120			124
Nadeon Township Telephone Company	30	4	89	93	3,600	450	59
North Onondaga & Eaton Rapids Telephone Co	17		67	67			48
North Parma Telephone Company	110	5	210	215	10,000	800	428
Northwestern Telephone Company	7		14	14	No Statement		15
No. West Leslie & No. E. Onondaga Telephone Co	15.50		49	49			50
North Street Telephone Company	22.25		63	63			50
O. & E. Mutual Telephone Company	24		93	93			30
Ogemaw Telephone Company	85		170	170			225
Ogden Mutual Telephone Company	54	2	270	272	36,000	350	254
Orion Telephone Company	3		30	30		300	238
Oscoda County Farmers Mutual Telephone Co	50		100	100			106
Osceola Rural Telephone Company	50		120	120		125	200
Ovid Rural Telephone Company	61	340	303.50	306.90			256
Palo Telephone Company	72	625	320	326.25		150	83
Partello & Springport Telephone Company	25		25	25			44
People's Mutual Telephone Company	No Statement						75
Pickford Telephone Company	145	.50	285	285.50		1,800	235
Pinconning Telephone Company	58	2	172	174	18,300	500	282
Provement Telephone Company	2		4	4			120
Pullman Telephone Company	45		160	160			160
Port Hope Telephone Company	55	470	195	199.70		300	155
Portland Farmers Telephone Company	88		347	347			254
Richmond Telephone Company	9.50		291	291	16,500	1,200	535
Rives Telephone Company	35.50		82	82		456	136
Rollin Telephone Company	100		300	300			381
Roscommon Telephone Company	23		36	36		200	60

TABLE NO. 1.—FACILITIES AND OPERATING STATISTICS.—Continued.

	Facilities at end of year.				Operating data for year.		
	Miles of pole line.	Miles of wire in cable.	Miles of aerial wire.	Total miles of all wire.	Average number of local exchange messages originated per month.	Average number of toll messages originated per month.	Number of subscribers at close of year.
CLASS D—Incorporated.—Continued.							
Rural Telephone Company	85		170	170		500	343
Rudyard Telephone Company	56		56	56			170
St. Charles Roadway Telephone Company	10		40	40			66
St. Marys Telephone Company	33		132	132			100
Sagola Telephone Company	32	.25	64	64.25	300	200	32
Samaria Farmers Telephone Company	47		110	110			90
Sand Creek Telephone Company	50	1	100	101	18,000	300	200
Sanford, F. Harris & Co	31	6	192	198			108
Shiawassee Mutual Telephone Company	55	1	165	166	10,000	125	166
Shiawassee Telephone Company	34	17	97	114			229
Shiawassee & Genesee Mutual Telephone Co	98		253	253		350	444
Smyrna Telephone Company	17		258	258			60
Springport Mutual Telephone Company	175		330	330			335
Springport Telephone Exchange Company	4	40	40	80			154
St. Clair Central Telephone Company	114		291	291			386
Sunfield Telephone Company	70		75.50	75.50		500	380
Sutton Bay Telephone Company	No Statement				20,000	550	213
Trout Creek Telephone Company	15		30	30		103	27
Thumb Telephone Company	70		80	80	300	300	376
Tuscola Farmers' Telephone Company	125		352	352	450	450	510
United Telephone Company	230		426	426			300
Waldron Telephone Company	26	10	131	141	50,000	7,000	280
Walled Lake Home Telephone Company	7		14	14			24
Walloon Lake Telephone Company	31		61	61			155
Watson Telephone Company	50		50	50	6,500	100	211
Warren Rural Telephone Company	37		91	91			116
Washington Center Mutual Telephone Co	82		176	176		250	190
West Antrim Telephone Company	15		36	36			55
Wexford County Telephone Company	62		218	218			186
Whiteford Farmers Telephone Company	89		178	178			393
Winn Telephone Company	41.50		101	101			135
Williamston Telephone Company	25	80.26	86	166.26	2,250	932	750

CLASS D.—Unincorporated.							
Akron Mutual Telephone Company	22.50	7	91	98	3,625	360	187
Alba Telephone Company	19		52	52	3,000	200	69
Almont Telephone Company	85		170	170	30,000	1,000	320
Alpena & Presque Isle Telephone Company	23		32	32		63	10
Baraga County Telephone Company	81		207	207			196
Bedford, Wm. L.	116		232	232			216
Bentley Telephone Company	No Statement						
Bitlings Telephone Company	28		86	86			89
Blanchard Telephone Company	55		180	180		800	200
Brant Home Telephone Company	37		114	114			99
Brimley Telephone Company	50	1	121	122		200	80
Brown's Telephone Company	56		82	82		1,000	50
Brooklyn Switchboard Association	No Statement						350
Citizens Telephone Company of Banfield	61		122	122	2,000	80	119
Citizens Mutual Telephone Co. of Howard City	15		20	20	750		329
Cedar Telephone Company	No Statement				18,000	200	140
Clark Lake Switchboard	15		30	30			53
Clifford Exchange Telephone Company	No Statement					162	158
Delton Telephone Company	66	No Statement	132	132	No Statement		132
Drenthe Independent Telephone Company	25		45	45			125
East Saugatuck Telephone Company	52		125	125		120	188
Elwell Telephone Company	45.50		103	103		60	132
Ensley Farmers Telephone Company	23.50		131.50	131.50			79
Fayette Rural Telephone Company						240	380
Garden Telephone Company	32		32	32	25	25	42
Hadley Telephone Company	No Statement						30
Hickory Corners Telephone Company	33		150.50	150.50			176
Hills Rural Telephone Company	60		100	100			79
Holton Mutual Telephone Association	60		90	90			195
Home Telephone Company	83		2	2		250	103
Jeddo Telephone Company	30		100	100			171
Kinde Telephone Company	48	2	104	106		300	117
Leonard Telephone Company	7		46	46	3,000	200	81
Lawrence Mutual Telephone Company	67.75	39	276	315		125	303
Leslie & Onondaga Telephone Company	32		64	64		50	94
Liberty Telephone Company	No Statement						50
Linton-Baker Telephone Company	31		44	44		15	101
Marengo Prairie Telephone Company	26		52	52			24
Mark Roadway Company	39.50		80	80			86
Marion Telephone Company	No Statement						100
Meade Telephone Company	65		160	160			84
Montcalm Telephone Company	39		107	107			71
Moore Telephone Company	251	349	1,140	1,489			902
Morrice Telephone Company	1.50		10	10	16,000	235	170

TABLE NO. 1.—FACILITIES AND OPERATING STATISTICS.—Continued.

	Facilities at end of year.				Operating data for year.		
	Miles of pole line.	Miles of wire in cable.	Miles of aerial wire.	Total miles of all wire.	Average number of local exchange messages originated per month.	Average number of toll messages originated per month.	Number of subscribers at close of year.
CLASS D.—Unincorporated—Continued.							
Munger and Reese Telephone Company	81	24	231	255	32,000	225	250
Newport Telephone Company	28		100	100			120
North Adams Switchboard Association	No Statement						250
North Branch Telephone Company	74		205	205	9,000	450	445
North Bethany Telephone Company							30
North Montmorency Telephone Company	5.25		16	16			15
Oceana Farmers Mutual Telephone Company	212		371	371			375
Okemos Independent Telephone Company	6		32	32	5,000	137	88
Olive Telephone Company	No Statement						
Omer Telephone Company							
Onstead Telephone Exchange	1		40	40		500	346
Onondaga Telephone Company							150
Ortonville Telephone Company							240
Owendale Independent Telephone Company	81		237	237			290
Peninsular Telephone Company	No Statement				9,000	100	91
Pigeon Telephone Company	55.25	40	182	222		792	475
Pulaski Telephone Company	No Statement						30
Reno Telephone Company							40
Sanford Mutual Telephone Company	35		35	35			73
Scio Telephone Company	38		209	209			88
Scotfield Telephone Company	28		56	56			72
Smith Creek Telephone Company	74.25		193.50	193.50		185	181
Staley & Bricker Telephone Company	101	102	290	392	38,250	1,200	410
Standwood Telephone Company	No Statement						230
Thetford Telephone Company	48		180	180		100	190
Wakeman, Lyle O. (Boyne Valley Tel. Exchange)	14	.50	14.50	15	700	350	54
Weidman Farm Lines	No Statement						280
West Bellevue Telephone Company	1.50		1.50	1.50			20
Westphalia Telephone Company	37.50		147.80	147.80	21,000	121	166
Woodland Telephone Company	50		250	250	23,000	600	340
Zigur, Chas	48		142	142			215

TABLE NO. 2

STATISTICAL DATA OF SPECIAL CLASS D UTILITIES AT END OF YEAR.

Special Class D, incorporated.	Miles of pole line.	Total miles of wire.	Number of subscribers at close of year.
Addison Mutual Telephone Company	1.50	3	105
Albion, Indiana Telephone Company	20	40	23
Air Line Roadway Telephone Company	8	10	11
Barryton Rural Telephone Company	10	28	26
Bay Shore Telephone Company	13	26	31
Big Rapids & Grant Telephone Company	25	40	33
Big Rapids, Lilly & Bitely Telephone Company	25	75	59
Blackmore & Harwood Telephone Company	6.50	13	20
Blue Lake Ind. Telephone Company	8	16	10
Bluff Creek Telephone Company	7	14	14
Brooklyn & Clark Lake Telephone Company	No statement	.....	15
Brooklyn & South Norrell Telephone Company	19	18	16
Bunker Hill Telephone Company	14	54	44
Busy Bee Telephone Company	10.50	10.50	26
Cambridge Junction Telephone Company	8	8	20
Cambridge & Woodstock Telephone Company	10	20	22
Cavanaugh Lake Rural Telephone Company	9	18	9
Chase Farmers' Telephone Company	6	16	18
Chelsea & Francisco Telephone Company	10	10	10
Chester Township Telephone Company	16	32	27
Chickaning & Weesau Telephone Company	13.50	27	41
Coldwater Rural Telephone Company	6.25	14.50	16
Crawford County Farmers' Telephone Company	30	60	18
Custer Telephone Company	3.50	9.50	24
East Hamilton & North Grant Roadway Telephone Company	19	38	24
East Irving & Hastings Telephone Company	2.50	5	10
Eaton Rapids & West Aurelius Telephone Company	10	41	32
East Elmira Telephone Company	26.50	53	58
East Ferris Union Telephone Company	9.25	14.25	25
Eden Telephone Company	20	106	29
Eureka Telephone Company	44	88	43
Farmers' Union Telephone Company	11.50	19	29
Ferris Ind. Telephone Company	7.50	15	19
Fitchburg Telephone Company	15	15	20
Gladwin County Telephone Company	75	150	135
Gladwin & Nolan Telephone Company	26	26	44
Grand River Valley Telephone Company	5	11	12
Grass Lake & North Sharon Telephone Company	10	20	10
Greenwood Mutual Telephone Company	15	30	19
Hayes & Elmira Telephone Company	10	10	22
Henrietta Farmers' Telephone Company	11	22	16
Honor Rural Telephone Company	11	23	17
Houghton Lake Telephone Company	27	70	11
Ironwood Rural Telephone Company	13	26	38
Lake Region Telephone Company	10	20	12
Leelanau Mutual Telephone Company	75	300	187
Lee & Marshall Telephone Company	10.50	40	42
Lester Mutual Telephone Company	11	11	16
Leelanau Township Farmers' Telephone Company	5	10	13
Loxley Telephone Company	8	8	18
Lyons Mutual Telephone Company	12	33	29
Mason & Dexter Road Company	10	10	9
Mackinaw Roadway Telephone Company	2.50	3.75	10
Mecosta Mutual Telephone Company	6.50	19	33
Middleton Farmers' Telephone Company	24	80	92
Moffatt Telephone Company	6.50	13	11
Mutual Telephone Company	5.25	10.50	20
Munith & Grass Lake Telephone Company	7	7	16
Newton & LeRoy Telephone Company	29.75	142	88
North Burns Telephone Company	4	6	9

TABLE NO. 2—Continued.

STATISTICAL DATA OF SPECIAL CLASS D UTILITIES AT END OF YEAR.

Special Class D, incorporated—Continued.	Miles of pole line.	Total miles of wire.	Number of subscribers at close of year.
Northeastern Telephone Company	60	60	31
Northeast Leslie Telephone Company	10	20	35
Northeast Quincy Telephone Company	14.50	32	50
North Marshall Telephone Company	8	8	8
Northwest Quincy Telephone Company	6.50	8.50	21
Norvall & Manchester Telephone Company	9	18	30
Orangeville & Prairieville Telephone Company	12	40	26
Perrington Ind. Telephone Company	24	48	100
Pierson, Maple Valley Telephone Company	4.75	14	19
Pleasant Lake Telephone Company	12	24	15
Pullman Mutual Telephone Company	20	50	85
Portage Lake Telephone Company	5	10	12
Porterville Onondaga & Leslie Telephone Company	7	7	16
Port Sheldon & Lake Shore Telephone Company	12	12	21
Reading Telephone Company	160	560	54
Riga Farmers' Telephone Company	.....	.....	.....
Rutland & Irving Telephone Company	3.50	5.50	14
Salt River Ind. Telephone Company	8	16	9
Southeast Leslie Telephone Company	5.50	11	16
Spinks Corners Telephone Company	25	120	117
Spring Brooks Telephone Company	20	20	16
Spring Vale Telephone Company	6	7.50	18
Star Telephone Company of Elmira	10	42	20
Star Telephone Company of Standish	4	8	20
State Road Telephone Company	5	5	16
Stockbridge Fitchburg Wayside Telephone Company	6.50	25	36
Sunnyside Mutual Telephone Company	8.50	8.50	13
Shaftsburg & Williamston Telephone Company	7	26	19
South Emmet Telephone Company	8	18	22
Stockbridge Munith Central Telephone Company	10	10	21
Trufant & Long Lake Telephone Company	8.50	17	30
Trial Telephone Company	9	9	21
Vantown & Mason Mutual Telephone Company	18	47	45
Wheatfield Center Telephone Company	45	45	102
Wise Telephone Company	7	14	14
Woodville Telephone Company	17.25	45.25	45
Walnut Lake Telephone Company	No statement	.....	30
Worden Rural Telephone Company	51	102	80
Special Class D, unincorporated.			
Adair Roadway Telephone Company	1.50	7	14
Advance Telephone Company	.50	7	7
Aetna Telephone Company	4	16	24
Alabaster Roadway Telephone Company	4	20	17
Alma, Lakeview Ind. Telephone Company	9	24	27
Amble Telephone Company	.....	5	84
Amboy Telephone Company	9	18	48
Arcadia Telephone Company	9.50	9.50	25
Arcadia Center Telephone Company	5	10	13
Arcadia Rural Telephone Company	7.50	15	13
Arch Bridge Roadway Telephone Company	6	12	13
Armstrong Ind. Telephone Company	2	4	7
Arnold Roadway Telephone Company	3	12.50	9
Arthur Roadway Telephone Company	7.25	32.50	16
Bailey Telephone Company	5	5	11
Bannister Roadway Telephone Company	3.50	7	12
Bammel Roadway Telephone Company	2	4	10
Bar Lake Roadway Telephone Company	3.50	7	10
Basswood Telephone Company	6	15	16
Bassett Roadway Company	2.75	9.50	14

TABLE NO. 2—Continued.

STATISTICAL DATA OF SPECIAL CLASS D UTILITIES AT END OF YEAR.

Special Class D, unincorporated—Continued.	Miles of pole line.	Total miles of wire.	Number of subscribers at close of year.
Battle Point Telephone Company	4	12	10
Bear Creek Telephone Company	.....	.....	7
Beaverton Telephone Company	20	40	322
Beaverton Farmers' Telephone Company	7.50	7.50	12
Beaver Creek Ind. Telephone Company	7	7	9
Beebe Telephone Company	4.50	9	10
Belle River Mills Telephone Company	3.50	14	15
Belle River Roadway Telephone Company	2	4	11
Belleville Roadway Company	4	12	9
Belleville Roadway Company, No. 73	2	4	7
Belleville Roadway Company, No. 77	2	4	7
Belleville Rural Telephone Company, No. 1	4	8	9
Bendon Rural Telephone Company	7	14	15
Bethany Telephone Company	.....	.....	39
Betsey Branch Telephone Company	2.75	5.50	5
Big Beaver Telephone Company	6	24	13
Big Bend Telephone Company	3.75	12.25	7
Big Hand Road Telephone Company	5	10	13
Big Prairie & Everett Telephone Company	29	90	62
Big Rapids Roadway Company	.....	.....	15
Big Stone Telephone Company	7	14	11
Big Stone Roadway Company	4	8	15
Birch Creek Telephone Company	5.50	8.50	10
Bissell Telephone Company	2.25	4.50	4
Black River Roadway Company	15.50	15.50	22
Bloomingdale Telephone Company	25	83	252
Borton Ind. Telephone Company	2.50	12	10
Bosworth Roadway Company	1	5	8
Bowman Roadway Company	4.50	9	11
Boydon Telephone Company	3	9	9
Bradford Roading Telephone	6	12	11
Breckenridge Roadway Telephone Company	5.25	13	20
Breckenridge Mutual Telephone Company	3	3	6
Brant & Brady Telephone Company	21	49	68
Bricker Telephone Company	15.75	37.50	24
Brockway Ind. Telephone Company	18	46	35
Brinton Telephone Company	12	24	21
Brooklyn & East Norvell Telephone Company	11	22	19
Brooklyn & Southwestern Telephone Company	No statement	.....	.....
Brooklyn & Napoleon Telephone Company	3	6	8
Brooks Ind. Telephone Company	11.50	11.50	7
Brooklyn & Cement City Telephone Company	7	.....	23
Broomfield Center Ind. Telephone Company	2.50	2.50	7
Broomfield Telephone Company	11	22	25
Brown Ind. Telephone Company	5	10	13
Brutus Telephone Company	.....	35	26
Buckley & Douglas Lumber Company	8	8	6
Bundy Hill Telephone Company	7	14	15
Burnhem Roadway Company	3.25	.....	8
Burns Telephone Company	3.25	6.50	10
Burt District Telephone Company	4.75	9.50	16
Bush Creek Telephone Company	1.50	11	14
Butterfield Telephone Company	12	12	20
Byers Roadway Company	6	15	10
Cadillac & Pine River Telephone Company	31	88	28
Carl District & Haslett Telephone Company	7	14	12
Castleton Centre Telephone Company	7	14	9
Cato Winfield Ind. Telephone Company	4	8	34
Cavanaugh Lake Rural Telephone Company	No statement	18	9
Cecal Bay Telephone Company	.....	.....	.....

TABLE NO. 2.—Continued.

STATISTICAL DATA OF SPECIAL CLASS D UTILITIES AT END OF YEAR.

Special Class D, unincorporated.—Continued.	Miles of pole line.	Total miles of wire.	Number of subscribers at close of year.
Cedar Lake Telephone Company	4.50	9	12
Cement City Telephone Company	.....	.....	.....
Central Gibson Telephone Company	9.25	18.50	18
Center Lincoln Telephone Company	4.50	12.50	17
Center Line Roadway Company	5	10	14
Central Line Ind. Telephone Company	2.50	13	15
Central Mutual Telephone Company	6	12	11
Central Mutual Telephone Company	6	24	12
Central Newark Telephone Company	4.50	10.50	16
Central Telephone Company	1.50	15	11
Chappie Rapids Roadway Company	6	12	9
Cheney Roadway Telephone Company	4.25	10.50	12
Cherry Creek Roadway Telephone Company	3	6	8
Cheshire Farmers' Mutual Telephone Co.	.....	9	11
China, St. Clair Roadway Telephone Company	.....	9	11
China Roadway	4	18	15
Chippewa Lake Telephone Company	18	36	46
Chocolay Roadway Telephone Company	.....	.....	.....
Churchill & Logan Roadway Telephone Company	15	30	20
Clam Lake Rural Telephone Company	4.50	18	12
Clam River Farmer's Te'ephone Company	5.75	20.50	15
Clam Union Township Telephone Company	25	42	71
Clark Roadway Telephone Company	4.75	15	11
Clear Lake Telephone Company	3	13.50	10
Clemens Roadway Telephone Company	3.50	7	8
Clemens Roading Telephone Company	15	30	14
Cleveland Valley Telephone Company	5	10	14
Cloverleaf Roadway Company	6.25	26.50	18
Clover Telephone Company	.....	5	8
Cloverdale Telephone Company	.....	.....	.....
Coal Creek Telephone Company	5	35	20
Coe Roadway Telephone Company, No. 1	3	4	12
Coe Roadway Telephone Company, No. 2	6	14	15
Coe Roadway Telephone Company No. 3	2	10	12
Coldwater Telephone Company	5.50	11	19
Coldwater Lake Telephone Company	.....	.....	.....
Cole Telephone Company (line)	4	4	4
Colfax Roadway Company	12	24	13
Colfax Roadway Company	2	4	8
Colfax Telephone Company	5.50	11	12
Collinsville Roadway Company	.....	.....	.....
Coloma Roadway Company	69	267	200
Cook & Somerville Telephone Company	4	4	4
Cooks Telephone Company	67	77	40
Concord Telephone Company	3	23	325
Cooperative Telephone Company	4	8	7
Cornell Roadway Telephone Company	8	8	17
Cottrelville Town Line Roadway Co.	4.25	18	13
County Line Telephone Company	4	8	15
County Center Telephone Company	10.50	56	36
Crapo Valley Telephone Company	5	10	14
Crystal Ridge Mutual Telephone Company	5	10	8
Curtisville Rural Telephone Company	7	14	16
Curtisville Roadway Company	15.50	50	27
Custer Peach Belt Telephone Company	9	18	26
Custer Telephone Company	.....	.....	.....
Cyclone Telephone Company	13	26	23
Daggett Eastern Roadway Telephone Company	11	26	29
Danish Ind. Telephone Company	4.50	9	14
Danish American Telephone Company	9	15	12
Dansville Telephone Company	23	57	316
Day Center Telephone Company	8	16	18
Denver Telephone Company	17	34	38
Dead Stream Roadway Company	.....	.....	.....
Deerfield & Cohoctal Telephone Company	11	22	15

TABLE NO. 2.—Continued.

STATISTICAL DATA OF SPECIAL CLASS D UTILITIES AT END OF YEAR.

Special Class D, unincorporated—Continued.	Miles of pole line.	Total miles of wire.	Number of subscribers at close of year.
Deer Lake Telephone Company	16	32	19
Dewing Telephone Company	8	16	9
Dewey Telephone Company	11	30	30
Diamond Spring Mutual Telephone Company	12	24	32
District No. 6 Roadway Company	1.50	8	12
Donaldson Roadway Company	21	100	44
Douglass & Stanton Telephone Company	8	16	20
Dowling & Hastings Telephone Company	.....	.....	.....
Drew Telephone Company	5	10	16
East Arcadia Ind. Telephone Company	.....	.....	10
East Dorr Telephone Company	.....	.....	.....
East County Roadway Company	6	6	15
East Fork Telephone Company	5.50	12	14
East Freesoil Telephone Company	6	12	10
East Ingalls Roadway Company	4.50	9	9
East Lapeer Telephone Company	5	10	9
East Line Ind. Telephone Company	14	23.50	25
East Line Roadway Company	4.50	9	13
East Mason Roadway Company	2	2	9
East Mitchell Roadway Company	2.50	5	9
East Paradise Telephone Company	9.75	34.50	32
East Sidney Ind. Telephone Company	5.50	11	22
East Town Line Roadway Company	6.25	16.50	15
Eden Telephone Company	9	28	25
Edenville Telephone Company	.....	.....	14
Edgar-Rossman Telephone Company	4	4	10
Edward Roadway Telephone Company	11	22	16
Eight Mile Roadway Telephone Company	4.50	11	15
Eight Point Rural Telephone Company	15	30	15
Elba Center Telephone Company	6	6	12
Elba Ind. Telephone Company	6	12	15
Elba Telephone Company	5	35	19
Ellsworth Telephone Company	11.50	31	31
Elmira Telephone Company	5	.....	57
Elm Grove Telephone Company	4	15	12
Elm Valley Roadway Telephone Company	3.75	7.50	9
Emerson & Bethany	5.50	15	25
Enterprise Ind. Telephone Company	2	4	10
Empire Rural Telephone Company	26.50	53	92
Estes Roadway Telephone Company	1.50	3	8
Enterprise Telephone Company	7	7	20
Etchell & Mason Telephone Company	.....	.....	10
Evansmere Roadway Telephone Company	.....	.....	9
Evart Center Line Telephone Company	16.50	33	47
Evart Emerald Telephone Company	12	24	31
Evart & Muskegon Valley Telephone Company	20	20	54
Evart & Myrtle Lake Telephone Company	13.50	38	47
Fairview Roadway Telephone Company	4.50	9	8
Fall Creek Telephone Company	4.50	9	9
Farmers' Mutual Telephone Company	59.50	59.50	19
Farmers' Roadway Company	3	3	9
Farmers' Telephone Company	.....	14	8
Farmers' Telephone Line Company, No. 220	1.75	3.50	13
Farmers' Line, No. 211	.75	1.50	7
Farmers' Mutual Telephone Company	8	16	16
Farmers' Mutual Telephone Company	26	27.25	36
Farmers' Roadway Company	9.50	22	25
Farmers' Mutual Telephone Company	9	9	15
Farmers' Telephone Association Company of Coe	19	90	75
Farmers' Union Telephone Company	17.25	38	52
Frederic Mutual Telephone Company	.....	.....	74
First Ward Ind. Telephone Company	12.50	25	20
Fish Lake Roadway Company	7	14	13
Five Points Telephone Company	1.50	3	8
Flint River Telephone Company	.....	.....	.....

TABLE NO. 2.—Continued.

STATISTICAL DATA OF SPECIAL CLASS D UTILITIES AT END OF YEAR.

Special Class D, unincorporated—Continued.	Miles of pole line.	Total miles of wire.	Number of subscribers at close of year.
Forest Home Telephone Company	11	22	13
Frances Roadway Telephone Company	.....	.....	8
Frances & Waterloo Telephone Company	8	8	17
Frankenmuth Junction Roadway Company	.....	.....	.....
Frost Station Ind. Telephone Company	5.50	11	16
Forest Hill Telephone Company	.....	.....	13
French Roadway Telephone Company	3.50	3.50	8
Fruit Road Telephone Company	6	6	7
Fulton Mutual Telephone Company	.....	.....	.....
Fulton Roadway Company	2	4	4
Funnell Independent Telephone Company	7.50	7.50	15
Goswell Roadway Company	31	18	21
Galien Roadway Telephone Company	4.50	14	15
Germfast Telephone Line	.....	70	35
German Roadway Company	3.25	6.50	11
German Road Telephone Company	1	2	11
Gibson Telephone Association Company	1.50	7	17
Gilbert Telephone Company	11.50	18.50	36
Gilmore Rural Telephone Company	22	32	76
Gilmore Farmers' Telephone Company	13	26	19
Gladwin Road Telephone Company	5	5	10
Gladys Roadway Company	.....	.....	.....
Gleaner Telephone Company	.....	.....	.....
Grafton Roadway Telephone Company	.....	.....	.....
Grange Heights Telephone Company	3	9	17
Grant Township Telephone Company	.....	.....	.....
Grape Growers Ind. Telephone Company	4.25	5	7
Graesmere & Ely Telephone Company	5.50	11	16
Gratiot Meisner Roadway Company	5	10	7
Gratiot Roadway Telephone Company	5	10	11
Gratiot Roadway Telephone Company	5.50	19	9
Gravel Ridge Ind. Telephone Company	6	17	17
Green Garden Roadway Telephone Company	8	16	10
Green Center Roadway Company	3.25	13	11
Green Corners Telephone Company	2.25	4.50	6
Green Oak Roadway Company	.....	.....	.....
Greenville & Clare Ind. Telephone Company	7.50	7.75	11
Greenwood Mutual Telephone Company	.....	76	47
Greenwood Telephone Company	11.75	33.50	20
Groveland Grange Telephone Company	5	5	14
Gun Plains Roadway Telephone Company	2	5.50	8
Gutlie Roadway Telephone Company	6	12	16
Hadley Roadway Company	3.50	3.50	14
Haight Stannard Ind. Telephone Company	20	.....	40
Hamburg Telephone Company	14	64	39
Hamilton & Sage Telephone Company	18	24	38
Hannah Telephone Company	22	70	62
Hand Roadway Company	.....	.....	.....
Hanover Telephone Association Company	.....	.....	205
Harlan Rural Telephone Company	.....	94.25	88
Harcourt Roadway Telephone Company	4.50	9	11
Harlen Telephone Association Company	15	36	34
Hartway Roadway Telephone Company	2.50	12	12
Hasting Co-operative Telephone Company	4.25	20	18
Hasting Carlton Co-operative Telephone Company	.....	69	56
Hayes Telephone Company	3	6	10
Hemlock Roadway Telephone Company	6.50	13	11
Hemingway Ind. Telephone Company	1.25	8	13
Hendricks Township Telephone Company	16	32	21
Hermansdale Roadway Telephone Company	6	12	21

TABLE NO. 2—Continued.

STATISTICAL DATA OF SPECIAL CLASS D UTILITIES AT END OF YEAR.

Special Class D, unincorporated—Continued.	Miles of pole line.	Total miles of wire.	Number of subscribers at close of year.
Herrick Roadway Telephone Company	5.75	11.50	15
High Steel Telephone Company	4	8	10
Hinton Mutual Telephone Company	25	50	75
Hitchock Roadway Telephone Company	3	6	8
Hoadley Line Telephone Company	3.50	3.50	14
Hockstra Ind. Telephone Company	6	12	22
Holbrook Roadway Company	2.25	8	8
Holly Center Telephone Company	3	7	11
Hope Improvement Telephone Company	65	65	118
Horton Bay Telephone Company	7.50	17	15
Horton Telephone Company	.....	14.50	210
Horr Telephone Company	11	22	18
(Jacob) Hulse Telephone Company	2	4	10
Hunters Creek Telephone Company	2.50	5	8
Hurst Roadway Telephone Company	1.50	3	7
Ingersoll Rural Telephone Company	30.50	60	64
Independent Roadway No. 2	2.50	6	9
Iosco & Arenac Telephone Company	19.50	19.50	25
Irish Roadway Telephone Company	5	17	9
Iron-Bridge Roadway Telephone	4	8	18
Iron Clad Ind. Telephone Company	6	12	20
Iron Creek Telephone Company	10	20	15
Isabella Mutual Telephone Company	4	8	10
Ironwood Rural Telephone Company	13	26	38
Jackson Roadway Company	.....	.....	.....
Jasper Telephone Company	17	57	47
Jonesfield Ind. Telephone Company	1	6	6
Junior Telephone Company	3.50	11	9
Kaloka Roadway Telephone Company	9	9	5
Kendallville Telephone Company	8	18	14
Kerr Ind. Telephone Company	.....	.....	.....
Klacking Creek Telephone Company	9	18	8
Kimball Ind. Telephone Company	6	12	15
Kirby Lake Ind. Telephone Company	8	16	15
King Roadway Telephone Company	3	6	12
Knapp Roadway Telephone Company	3.75	10	17
Kobs Roadway Telephone Company	5	16	14
Koss Lingre Roadway Company	12	24	12
Lafayette Roadway Telephone Company	.....	81	43
Lake Arm Oviatt Telephone Company	30	75	61
Lake Arm Orcatt Telephone Company	30	75	50
Lake Ind. Telephone Company	11.50	23	21
Lake & Osceola Co-operative Telephone	19	48	31
Lake Roadway Telephone Company	9	9	14
Lakeside Ind. Telephone Company	1.50	3	3
Lakeview Telephone Company	2	4	8
Lapeer Township Central Telephone Company	5	10	13
Lapeer View Telephone Company	2	4	9
Larkin Rural Telephone Company	10	20	18
Leota Telephone Company	10	20	10
LeRoy Rural Telephone Company	.....	.....	12
LeRoy Township Telephone Company	6.50	13	10
Levering Telephone Company	48	144	132
Lincoln Heights Telephone Company	4	8	13
Lindsay Roadway Telephone Company	9	11	15
Little Traverse Telephone Company	4.50	4.50	8
Little River Roadway Company	4.50	9	9
Little River Telephone Company	15	30	20
Lone Pine Telephone Company	2.75	.....	15
Loomis & Grego Line Telephone Company	3	3	7

TABLE NO. 2—Continued.

STATISTICAL DATA OF SPECIAL CLASS D UTILITIES AT END OF YEAR.

Special Class D, unincorporated—Continued.	Miles of pole line.	Total miles of wire.	Number of subscribers at close of year.
Long Lake Telephone Company	3	18	6
Long Roadway Telephone Company	4.75	10	12
Lucas Farmers Telephone Company	9	51	50
Lucas F. A. Telephone Company	.....	.....	76
Lunn Telephone Company	.....	.....	152
Lum & Curtis Telephone Company	7.50	15	9
Luther and Hoxeyville Telephone Company	11	22	11
McBride & Entrican Telephone Company	7	18	22
McKnight Roadway Company	6	12	9
McDonald Ind. Telephone Company	9.50	9.50	16
Mackinac County Telephone Company	13.50	23	25
Manchester Roadway Telephone Company, No. 155	2.50	5	10
Manchester Roadway Telephone Company, No. 153	2	4	8
Manchester Roadway Company, No. 76	.....	.....	.....
Mandline Roadway Company	3.50	7	13
Mauer Siding Ind. Telephone Company	18	36	15
Maple Center Telephone Company	6	12	15
Maple City Rural Telephone Company	5	10	13
Maple Grove Rural Telephone Company	4.50	9	13
Maple Grove Roadway Telephone Company	10	20	14
Maple Hill Telephone Company	.....	.....	.....
Maple Ridge Mutual Telephone Company	15	30	32
Maple Roadway Telephone Company	7.50	15	12
Maple Valley Telephone Association	9	12.75	21
Marble Roadway Company	14	29	29
Market Roadway Telephone Company	2	8	9
Mash Road Telephone Company	5.50	11	16
Martin Roadway Telephone Company	2	8	6
Massey, Wm. Jr.	3.50	7	3
Mayfield Center Telephone Company	12	24	12
Mayfield and Deerfield Telephone Company	11	22	14
Mayfield Telephone Company	7	14	17
Meadow Roadway Telephone Company	9	18	16
Mecosta Roadway Company	4.25	8.50	12
Meade Roadway Company	.....	160	84
Metamora Telephone Company	7.50	23	38
Meridian Line Ind. Telephone Company	4.50	11	11
Meridian Roadway Company	3	6	8
Merrill Ind. Telephone Company	11	29	27
Michigan Avenue Roadway Telephone Company	3	6	7
Milan Roadway Telephone Company	4	15	13
Miller Roadway Company	.....	.....	.....
Millville Telephone Company	6	24	26
Mill Roadway Company	.....	.....	.....
Mirror Lake Telephone Company	7	15	13
Mitchell Roadway Telephone Company	5	10	10
Misner Roadway Telephone Company	2.50	11.50	14
Monitor Ind. Telephone Company	1	1	5
Mononskong Roadway Company	.....	.....	.....
Mt. Bethel Roadway Company	.....	.....	.....
Montercy Telephone Company	6	6	13
Moscow & Jerome Telephone Company	40	52	125
Mosherville Switchboard Association	45	75	130
Mount Bethel Roadway Telephone Company	3.50	6	8
Mt. Vernon Roadway Company	2.50	8	18
Morrell Roadway Company	8	22	21
Munising, Marquette and S. E. R. R.	77.50	171.75	22
Mutual Telephone Company	40	40	54
Neier Telephone Company	2.25	9	8
Nessen City Roadway Telephone Company	4	4	9

TABLE NO. 2.—Continued.

STATISTICAL DATA OF SPECIAL CLASS D UTILITIES AT END OF YEAR.

Special Class D, unincorporated.—Continued.	Miles of pole line.	Total miles of wire.	Number of subscribers at close of year.
North Bound Roadway	4.50	9	22
North Branch Ind. Telephone Company	6	12	7
North Branch Telephone Company	9	18	19
North Cato Telephone Company	1.50	.....	7
North Chester Telephone Company	3	12	12
North Cooper Roadway Company	6	26	18
North Dorr Telephone Company	.....	10.25	5
Northeastern Wheeler Telephone Company	6.75	18.50	16
Northeastern Telephone Company	9.25	18.50	19
North Emerson Telephone Company	5	10	22
North Flushing Roadway Telephone Company	9	13	15
North Gibson Telephone Company	5.50	11	18
North Grant & Hersey Telephone Company	.....	.....	20
North Hersey Telephone Association	14	35	29
North Irving Farmers' Telephone Company	4	8	12
North Mayfield Roadway Company	4	13	14
North Morrice Telephone Company	3.25	3.25	15
Nook Roadway Telephone Company	.....	.....	.....
North Lake Telephone Company	15	15	21
North Line Telephone Company	.....	.....	.....
North Osceola Telephone Company	4	4	9
North Oxford Rural Telephone Company	.....	.....	10
North Paradise Telephone Association	3.75	11.50	14
North Riverton Telephone Company	5	10	10
North Rives & Leslie Telephone Company	3	6	12
North Rose Telephone Company	.75	3.50	7
North Town Line Roadway Company	4.50	4.50	9
North Shade Telephone Company	13	39	53
North Sherman Telephone Company	4.25	14.50	11
North Bethany Telephone Company	3	8	17
Northwest Rutland Telephone Company	3	20	17
Northwestern Telephone Company	2	15	10
Northwest Lafayette Telephone Company	3.50	3.50	6
Northwestern Mutual Telephone Company	3.50	7	7
North Wheatland Ind. Telephone Company	1.75	3.50	4
North Winfield Telephone Company	9	20	26
Norton Roadway Company	2.50	6	7
Norwalk Telephone Company	.....	.....	.....
Norwood Telephone Company	.....	24	16
Nunda Roadway Telephone Company	9	18	22
Oak Grove Ind. Telephone Company	7	14	17
Oakwood Roadway Company	.....	.....	.....
O'Donnell Telephone Company	4	12.50	13
Okemos & Hastell Telephone Company	3	6	15
Orth Roadway Telephone Company	9	18	13
Osceola State Roadway Company	13	26	11
Otia Telephone Company	2	4	11
Otter Creek Telephone Company	5	15	15
Owl Telephone Company	5	10	7
Palestine Telephone Company	29.50	.....	41
Paris-Big Rapids Telephone Company	9.25	37	16
Park Avenue Telephone Company	3	6	6
Parker & Spring Telephone Company	5	2	2
Peters Roadway Company	.....	14.50	17
Peach Lake Roadway Telephone Company	2	10	10
Peach Grove Telephone Company	3.75	3.75	8
Perryville Mutual Telephone Company	6	12	14
Pentland Roadway Telephone Company	6.50	13	13
Phillips Roadway Telephone Company	2.25	7	9
Pine Creek Telephone Company	4	11	12
Pine Grove Roadway Company	.....	.....	.....
Pine River Ind. Telephone Company	3.50	7	15
Pine River Roadway Company	1	8	8
Pine River Telephone Association	51	51	130
Pine River Telephone Company	11	22	32

TABLE NO. 2.—Continued.

STATISTICAL DATA OF SPECIAL CLASS D UTILITIES AT END OF YEAR.

Special Class D, unincorporated—Continued.	Miles of pole line.	Total miles of wire.	Number of subscribers at close of year.
Pine Rest Roadway Company	5	8	8
Pioneer Telephone Company	3	14	8
Platte Lake Roadway Company	3.50	7	10
Plank Road Telephone Company	7	14	14
Plank Road Ind. Telephone Company	2.50	5	8
Plank Road Roadway Telephone Company	1.25	8	11
Pleasant Hill Telephone Company	15	40	32
Pleasant Hill Roadway Telephone Company	5.50	11	14
Pleasant Ridge Telephone Company	4.50	6.75	11
Pleasant Rural Telephone Company	18	36	28
Pleasant Valley Roadway Telephone Company	7	14	9
Pleasant Valley Ind. Telephone Company	7	14	12
Plum Creek Telephone Company	2	7	11
Porter Township Telephone Company	5.50	24	14
Powell Roadway Telephone Company	4	8	10
Prairieville Telephone Company	.....	.....	250
Prescott Telephone Company	5	7	30
Pug St. Roadway Telephone Company	2	4	9
Puttigut Roadway Company	3.50	12	8
Quarter Line Roadway Telephone Company	1.25	8.50	9
Quick Roadway Telephone Company	3	3	8
Quick Roadway Company	2	4	7
Ransomville Roadway Telephone Company	2.50	13	9
Rathbone Telephone Company	20	120	51
Ray Center Telephone Company	4	20	37
Readmond Townsley Telephone Company	22	44	27
Redstone Telephone Company	9	32	35
Ridge Roadway Company	3	7	7
Remus & Titus Ind. Telephone Company	8	16	22
Riceville Roadway Company	4	8	11
Riverside Telephone Company	2.50	7	13
Riverside Roadway Company	4	18	14
Riverside Telephone Company of McBain	6	12	15
Riverside Roadway Company	7	18	19
Riverside Roadway Company	6.50	18	15
River Road Roadway Company	.....	.....	.....
River Roadway Telephone Company	.....	.....	.....
River Valley Roadway Telephone Company	.....	8	9
Riverton Center Telephone Company	5.50	.....	10
Rock Lake Ind. Telephone Company	6	15	13
Rose Center Telephone Company	5	16	15
Rose Lake Telephone Company	6	12	24
Rose Lake Telephone Company	2	4	5
Roadway Company No. 15	11	28	15
Royal Telephone Company	.....	.....	.....
Rural Co-operative Telephone Company	3.25	43	22
Rural Roadway Company	5	8	11
Rural Roadway Company	5	8	11
Rural Telephone No. 76, Manchester	10	20	11
Russian St. Telephone Company	3.50	7	12
Rutland Telephone Company	17.75	28	28
St. Clair Roadway Telephone Company	3.50	7	9
St. Clair River Telephone Company	4.50	9	20
St. Helens Development Company	25	50	15
Sauble Telephone Company	1.75	.....	9
Sawyerville Telephone Company	6	12	13
Scutt Lake Telephone Company	9	9.50	21
Seymour Roadway Company	4	8	5
Shay Road Telephone Company	2	12	8
Shelby Roadway Company	4.50	9	9
Sheridan Roadway Telephone Company	6	14	13
Sheridan Center Telephone Company	4.75	12	13
Sherman City Rural Telephone Company	11	25	33
Sherman Telephone Company	3.50	19	11
Short Line Telephone Company	2.50	3.50	12

TABLE NO. 2.—Continued.

STATISTICAL DATA OF SPECIAL CLASS D UTILITIES AT END OF YEAR.

Special Class D, unincorporated—Continued.	Miles of pole line.	Total miles of wire.	Number of subscribers at close of year.
Shutz Telephone Company	5	20	12
Shunk Roadway Company	3	6	7
Silver Creek Roadway Telephone Company	5	11	17
Sirrine Ind. Telephone Company	3	12	8
Slagle Telephone Company	.....	.....	.....
Slingerland Roadway Telephone Company	4.50	18	17
Smith Roadway Company	1.25	2.50	9
Somerset Center Telephone Company	.....	.....	.....
South Arcadia Roadway Telephone Company	10	20	10
South Bennington Telephone Company	3.50	7	12
South Belt Roadway Company	3	6	9
South Bethany Telephone Company	4	8	17
South Breckenridge Telephone Company	3.50	.....	18
South Bunker Hill & North Henrietta	10	20	17
South Burns Roadway Company	2.50	6.50	11
South Columbus Telephone Company	.....	.....	.....
South Deerfield Telephone Company	5	10	21
Southeast Avon Telephone Company	1.75	10.50	9
Southeast Lincoln Farmers' Telephone Company	8	.....	17
Southend Telephone Company	3	6	7
South Ford River Telephone Company	17	42	17
South Galien Telephone Company	7	14	27
South Gibson Telephone Company	12	26	30
South Grant Township Telephone Company	4.50	15	11
South Groveland Roadway Telephone Company	7	16	13
South Hinton Telephone Company	6	12	14
South Manchester Telephone Line, No. 70	10	30	30
South Newkirk Telephone Company	.....	.....	.....
South Ruthland Center Telephone Company	8	16	12
South Rose or 93 Holly Exchange	8	16	13
South Sidney Telephone Company	8	16	30
South Town Line Roadway Company	5	7.50	9
Southwest Vernon Telephone Company	4.50	18	14
Southwest Springfield Telephone Company	4.50	21	13
Springborn Roadway Company	2	11.50	14
Springbrook Telephone Company	2.50	10	9
Spring Creek Roadway Company	1.50	13.50	21
Springport & Otter Creek Telephone Company	.....	.....	.....
Standish Township Telephone Company	11	22	18
Stars Telephone Company	8	8	14
Starville Roadway Company	4.50	17	15
Starr Rural Ind. Telephone Company	10	20	16
Star Telephone Company	1	2	6
Star Mutual Telephone Company	10	10	16
Starr Line Telephone Company	7	14	16
State Road Roadway Company	2	8	10
State Road Roadway Telephone Company	7.25	14.50	9
State Road Telephone Company	3	14	11
State Road Telephone Company	3	15	11
State Road Ind. Telephone Company	.....	.....	.....
State Road Telephone Company	.....	.....	.....
Stevenson Lake Roadway Telephone Company	1	9	16
Stevensburg Roadway Company	.....	.....	.....
Stone Telephone Company	3	6	11
Stoney Point Telephone Company	2.50	15	13
Stoney River Telephone Company	8.50	22	16
Stringey Lake Telephone Company	1.50	3	10
Sturgeon Creek Telephone Company	10	20	16
Suburban Telephone Company	2	3.50	8
Sugar Grove Telephone Company	3.50	14	11
Summerville Telephone Company	14.50	29	24
Summitt Telephone Company	4	8	7
Summer Rural Telephone Company	.....	25	20
Sunny Side Roadway Telephone Company	.....	8.50	19
Ten Mile Roadway Telephone Company	3	10	6

TABLE NO. 2.—Continued.

STATISTICAL DATA OF SPECIAL CLASS D UTILITIES AT END OF YEAR.

Special Class D, unincorporated—Continued.	Miles of pole line.	Total miles of wire.	Number of subscribers at close of year.
Theison Roadway Telephone Company	6	6	9
Thompson Telephone Company	5	18	12
Thompson Roadway Company	.....	.....	.....
Tipton Telephone Company	.....	.....	.....
Thompkins Exchange & Telephone Company	.....	.....	12
Town Corner Telephone Company	1	8	14
Town Line Ind. Telephone Company of Edmore	5.25	7.25	15
Townline Telephone Company	11.50	23	18
Town Line Telephone Company of Ashley	1.50	3.50	7
Town Line Telephone Company of White Cloud	.....	.....	.....
Town Line Telephone Company of Evart	5.50	11	13
Town Line Lake Telephone Company of Big Rapids	2.50	4.50	7
Town Line & Lakeview Telephone Company	5.50	11	11
Town Line Roadway Telephone Company	.50	7	7
Town Line Roadway Telephone Company	2.25	4.50	7
Town Line Roadway Telephone Company	3.50	7	14
Town Line Roadway Telephone Company	4	8	11
Town Line Telephone Company	7	14	19
Town Line Telephone Company	6	14	17
Town Line Roadway Telephone Company	7	14	10
Town Line Roadway Telephone Company	6.50	13	15
Town Line Telephone Company	3.50	7	10
Townsend, G. S.	19	38	62
Tri County Telephone & Supply Company	13	33	20
Trout Creek Telephone Company	7.50	15	29
Trout Creek Roadway Company	.....	.....	.....
Tuilt Roadway Telephone Company	2.25	3.75	9
Trimming Mutual Telephone Company	.....	.....	.....
Union Telephone Company	12	12	35
United Telephone Company	4	16	9
Van Tilburg Telephone Company	3	6	10
Valley Roadway Company	2	23	9
Vernon Roadway Telephone Company	4	4	11
Village Hill Telephone Company	.75	1.25	11
Vine Street Roadway Telephone Company	4	8	7
Wakefield Telephone Company Line	6.50	13	10
Walnut Ridge Telephone Company	1.75	1.75	7
Wallace Telephone Company	10.50	20	23
Walter Roadway Telephone Company	3	16	17
Walter Roadway Telephone Company	7	14	14
Wambold District Ind. Telephone Company	3.50	.....	10
Weatherly Telephone Company	6	.....	22
Wedel Roadway Telephone Company	1.50	3	9
Weesan Roadway Telephone Company	2.75	7	16
Wellston Telephone Company	21	42	14
West Amber Telephone Company	3	.....	8
West Antrim Telephone Company	15	36	55
West Argentine Telephone Company	6.50	13	28
West Attica Telephone Company	4	16	14
West Dorr Telephone Company	6	8	9
West Evart & Brasil Telephone Company	.....	.....	16
West Farmers' Telephone Company	3.50	7	13
West Ferris Ind. Telephone Company	9	18	19
West Flushing Roadway Telephone Company	1.50	7	8
West Genesee Roadway Telephone Company	4	13	17
West Grand Roadway Telephone Company	13	31	32
West Line Telephone Company	.....	.....	15
West Lapeer Roadway Telephone Company	.....	.....	.....
West Maple Grove Telephone Company	5.50	17	18
West Meadow Roadway Telephone Company	2.25	15.25	15
Westrick Roadway Telephone Company	3	16	16
West Rosebush Telephone Company	5	8	15
West Rose Roadway Telephone Company	8	16	13
West Ruthland Telephone Company	5	18.50	14
West Sidney Telephone Company	7	14	21

TABLE NO. 2.—Continued.

STATISTICAL DATA OF SPECIAL CLASS D UTILITIES AT END OF YEAR.

Special Class D, unincorporated—Continued.	Miles of pole line.	Total miles of wire.	Number of subscribers at close of year.
West Town Line Telephone Company	6	6	24
West Traverse Telephone Company	5.50	11.25	8
West Utica Roadway Company	3.50	7	11
West Victory Telephone Company	5	10	7
White Fish Lake Telephone Company	43	46.50	20
White Oak Telephone Company	5	10	10
White River Telephone Company	6.50	13	23
Wilber Roadway Telephone Company	8	16	9
Willis Roadway Telephone Company	1	2	8
Willover Telephone Company	3	6	9
Wilson District Roadway Telephone Company	4.25	8.50	14
Wisconsin Land & Lumber Company	8.25	21	27
Wolverine Telephone Company	5	10	11
Woodmen Ind. Telephone Company	4.50	9	12
Wood Roadway Telephone Company	3	12	8
Wright Ind. Telephone Company	2.50	5	12
Wright Roadway Telephone Company	5	.....	6
Yankee Springs Center Telephone Company	7	16	14
Yankee Street Roadway Telephone Company	1.25	.....	8
Yond School Rural Telephone Company	4.50	11	9
Zaring, D. L. Roadway Telephone Company	11.75	21.75	36

ANNUAL REPORT OF THE PULLMAN COMPANY TO THE MICHIGAN RAILROAD COMMISSION.

For the Year Ended December 31, 1916.

HISTORY.

Exact name of common carrier making this report.
The Pullman Company.
Date of organization.
July 15, 1867.
Under laws of what government, State, or Territory organized? If more than one, name all. Give reference to each statute and all amendments thereof.
Organized under Act of the General Assembly, State of Illinois, approved Feb. 22, 1867, as Pullman's Palace Car Company.
Name changed to "The Pullman Company" under provisions of a general law of Illinois entitled, "An Act Relating to Corporations," approved April 10, 1872.
If a consolidated company, name the constituent companies. Give reference to charters of each, and all amendments of same.
Not a consolidated company.
Date and authority for each consolidation.
See answer to inquiry No. 4.
If a reorganized company, give name of original corporation and refer to laws under which it was organized.
Not a reorganized company.

DIRECTORS.

Name.	Postoffice address.	Date of expiration of term.
Robert T. Lincoln	Manchester, Vt	November 14, 1917.
Frederick W. Vanderbilt	New York, N. Y	November 14, 1917.
W. Seward Webb	New York, N. Y	November 14, 1917.
John W. Mitchell	Chicago, Ill	November 14, 1917.
Chauncey Keep	Chicago, Ill	November 14, 1917.
George F. Baker	New York, N. Y	November 14, 1917.
John S. Runnells	Chicago, Ill	November 14, 1917.
Frank O. Lowden	Oregon, Ill	November 14, 1917.
J. P. Morgan	New York, N. Y	November 14, 1917.

PRINCIPAL OFFICERS

Title.	Name.	Official address.
Chairman of the Board	Robert T. Lincoln	Chicago, Ill.
President	J. S. Runnells	Chicago, Ill.
Vice-President	Richmond Dean	Chicago, Ill.
Vice-President	LeRoy Kramer	Chicago, Ill.
Assistant to the President	Clive Runnells	Chicago, Ill.
General Manager	L. S. Hungerford	Chicago, Ill.
Secretary	A. S. Weinsheimer	Chicago, Ill.
Assistant Secretary	J. F. Kane	Chicago, Ill.
Treasurer	L. S. Taylor	Chicago, Ill.
Assistant Treasurer	H. A. Brown	Chicago, Ill.
Assistant Treasurer	B. C. H. Olson	Chicago, Ill.
General Solicitor	Francis B. Daniels	Chicago, Ill.
General Attorney	G. S. Fernald	Chicago, Ill.
Assistant General Solicitor	H. T. Wilcoxon	Chicago, Ill.
General Auditor	William Hough	Chicago, Ill.
Assistant General Auditor	F. L. Simmons	Chicago, Ill.
General Superintendent	J. T. Ransom	Chicago, Ill.
Assistant General Superintendent	O. P. Powell	Chicago, Ill.
Director of Purchases	A. P. Bowen	Chicago, Ill.
Director Dept. of Sanitation and Surgery	Dr. Thos. R. Crowder	Chicago, Ill.
General Ticket Agent	H. P. Clements	Chicago, Ill.
Assistant General Ticket Agent	E. P. Burke	Chicago, Ill.
Assistant General Ticket Agent	E. A. Davenport	Chicago, Ill.

Officer to whom correspondence concerning this report should be addressed:

Name.	Title.	Official Adress.
William Hough	General Auditor	Chicago, Ill.

EXPLANATORY REMARKS.

The stock of Pullman R. R. Co. is held in the assets assigned to the Manufacturing Department.

CORPORATIONS CONTROLLED BY RESPONDENT.

Name—Active Corporations:
Pullman Railroad Co.—sole or joint, sole; how established, stock ownership; extent, 100 per cent; direct or indirect, direct.
Inactive Corporations:
Union Palace Car Co.—sole or joint; sole; how established, title to securities; extent, 100 per cent; direct or indirect, direct.
Mann's Boudoir Car Co.—sole or joint, sole; how established, title to securities; extent 99 per cent; direct or indirect, direct.
Woodruff Sleeping and Parlor Coach Co.—sole or joint, sole; how established, title to securities, extent, 100 per cent; direct or indirect, direct.

FACTS PERTAINING TO CONTROL OF RESPONDENT.

Date of last meeting of stockholders for election of directors.
November 8, 1916.
Date of last closing of stock books before end of year for which this report is made.
October 31, 1916.
Total number of stockholders of record at the date required in answer to Question 2.
12,171.
Has each share of stock one vote?
Yes.
Has any issue of securities contingent voting rights?
No.
Has any issue of securities special privileges in the election of directors?
No.
Did any individual, association, corporation or corporations, transportation or other, control the respondent at close of year?
No.
Did any individual, association, or corporation, as trustee, control the respondent at close of year?
No.

MILEAGE OPERATED UNDER CONTRACT OR OTHER AGREEMENT.

Name of common carrier (railway) under contract.	Total mileage (single track) over which respondent conducted operations.	Average mileage (single track) over which respondent conducted operations.	Ratio of average mileage over which respondent conducted operations to total mileage over which respondent conducted operations.	Term of contract.	
				Date of effect.	Date of expiration.
Contract Carriers.	(*Miles.*)	(*Miles.*)	(*Per Cent.*)		
Alabama & Vicksburg	141	141.	100	Sept. 1, 1916	Aug. 31, 1936.
Alabama Great Southern	290	290	100	July 1, 1909	July 1, 1924.
Atchison Topeka & Santa Fe	6,674	6,566.25	98.39	Feb. 1, 1906	Jan. 31, 1921.
Atlanta & West Point & Western Ry. of Alabama	171	171	100	July 1, 1909	July 1, 1924.
Atlanta, Birmingham & Atlantic	289	289	100	Aug. 6, 1908	Aug. 6, 1923.
Georgia Northern	38	9.5	25	No contract..	Operated under A. B. & A. contract.
Valdosta Moultrie & Western	25	6.25	25	No contract..	
South Georgia	67	16.75	25	No contract..	
Atlantic Coast Line (incl. W. S.-S. B.)	2,722	2,592.5	95.24	July 1, 1909	July 1, 1924.
Baltimore & Ohio (incl. B. & O.-S. W.)	2,707	2,626	97 01	Jan. 1, 1907	Jan. 1, 1927
Bangor & Aroostook	279	237.75	85.22	June 24, 1895	June 24, 1920.
Boston & Maine (incl. M. & W. R.)	1,160	1,050.5	90.56	April 1, 1893	April 1, 1918.
Buffalo, Rochester & Pittsburgh	335	335	100	July 1, 1911	July 1, 1926.
Bullfrog Goldfield	None	None	.....	June 1, 1907	May 31, 1922.
Central R. R. of New Jersey	305	305	100	April 1, 1914	Mar. 31, 1934.
Central of Georgia	675	622	92.15	April 10, 1906	Dec. 31, 1915.
Charleston & West Carolina	162	95.5	58.95	July 1, 1909	July 1, 1924.
Chesapeake & Ohio (incl C. C. & L.)	1,404	1,211	86.25	Jan. 1, 1907	Jan. 1, 1922.
Chicago & Alton	749	731.75	97.70	Feb. 1, 1906	Jan. 31, 1921.
Chicago & Eastern Illinois (incl. E. & T. H.)	541	541	100	Dec. 1, 1910	Dec. 31, 1925.
Chicago & Northwestern	4,392	4,231.75	96.35	Oct. 1, 1912	Sept. 30, 1932.
Duluth, South Shore & Altantic	95	95	100	No contract..	Operated under C. & N. W. contract.
Mineral Range	14	14	100	No contract..	
Chicago, Burlington & Quincy	4,819	4,713	97.80	Feb. 1, 1915	Jan. 31, 1935.
Chicago Great Western	1,189	1,189	100	Sept. 1, 1903	Aug. 31, 1918.
Chicago, Indianapolis & Louisville	435	435	100	Feb. 1, 1913	Feb. 1, 1933.
Chicago, Rock Island & Pacific (incl. C. R. I. G.-C. O. & G.)	4,756	4,756	100	July 1, 1911	July 1, 1931.
Chicago, St. Paul, Minn. & Omaha	812	812	100	Oct. 1, 1912	Sept. 30, 1932.
Cincinnati, Hamilton & Dayton	.....	.....	.....	Jan. 1, 1905	Dec. 31, 1919.
Cincinnati, Indianapolis & Western	310	310	100	Dec. 1, 1915	Dec. 31, 1919.

Cincinnati, New Orleans & Tex. Pacific	335	335	100	July 1,1909	July 1, 1924.
Cleve., Cin., Chicago & St. Louis	2,041	1,642.75	80.44	Jan. 1,1905	Jan. 1, 1930.
Colorado Midland	222	222	100	Nov. 1,1912	Nov. 1, 1927.
Col. & Southern (incl. Ft. W. & D. C.)	924	924	100	Feb. 1,1915	Jan. 31, 1935.
Del. & Hudson Co. (incl. N. Jct. Ry.)	535	395.5	73.93	Jan. 1,1916	Dec. 31, 1935.
Delaware, Lackawanna & Western	759	759	100	Jan. 1,1906	Jan. 1, 1921.
Delaware Valley	13	3.25	25	No contract..	Operated under D. L. & W. contract.
Denver & Rio Grande-Rio Grande West.	927	927	100	June 1,1905	June 30, 1922.
Det., Tol. & Ironton (incl. Ann Arbor)	292	73	25	Mar. 15,1907	Mar. 14, 1922.
Detroit & Mackinac	126	126	100	Mar. 1,1911	Mar. 1, 1926.
El Paso & Southwestern System	613	613	100	Feb. 1,1906	Feb. 1, 1921.
Erie	1,351	1,351	100	Jan. 1,1906	Jan. 1, 1926.
Fitchburg	290	290	100	July 1,1897	July 1, 1922.
Florida East Coast	522	522	100	Sept. 1,1908	Sept. 1, 1923.
Georgia	171	171	100	Sept. 1,1906	Aug. 31, 1921.
Georgia Southern & Florida	262	262	100	July 1,1909	July 1, 1924.
Georgia Southwestern & Gulf	35	17.5	50	Dec. 15,1910	Dec. 15, 1925.
Grand Trunk System (incl. Ct. Vt. and D. G. H. & M.-G. T. W.-G. T. Ry. of Can.)	2,613	2,435.25	93.20	July 1,1916	July 1, 1936.
Temiskaming & Northern Ontario	253	253	100	No contract..	Operated under G. T. contract.
Gulf & Ship Island	160	160	100	Aug. 1,1903	June 1, 1916.
Illinois Central	2,683	2,609.5	97.26	Jan. 1,1915	Dec. 31, 1934.
International & Great Northern	965	965	100	June 1,1905	June 30, 1922.
Interoceanic of Mexico	None	None	.....	Nov. 1,1903	Nov. 1, 1908.
Mexico Southern	None	None	.....	No contract..	Operated under I. of M. contract.
Kansas City, Mexico & Orient (incl. K. C. M. & O. of T.)	250	163.5	65.40	Oct. 1,1909	Oct. 1, 1924.
Kans. City Southern (incl. T. & Ft. S.)	814	814	100	Dec. 1,1896	30 days notice.
Lake Erie & Western	149	149	100	Jan. 1,1905	Jan. 1, 1930.
Las Vegas & Tonopah	None	None	.....	Mar. 15,1908	30 days notice.
Lehigh Valley	621	552	88.89	Jan. 1,1906	June 1, 1925.
Louisiana Ry. & Navigating Co	305	305	100	April 1,1907	Mar. 31, 1922.
Louisville, Henderson & St. Louis	143	143	100	Jan. 2,1909	Dec. 31, 1923.
Louisville & Nashville	2,460	2,455.25	99.81	May 2,1910	May 2, 1925.
Los Angeles & Salt Lake	814	814	100	April 1,1912	April 1, 1930.
Maine Central	752	493.25	65.59	April 1,1893	April 1, 1918.
Mexican Central	None	None	.....	Jan. 1,1906	Dec. 31, 1915.
Michigan Central	1,114	1,088.5	97.71	Jan. 1,1905	Jan. 1, 1930.
Midland Terminal	None	None	.....	Dec. 1,1895	6 months' notice.
Midland Valley	None	None	.....	Oct. 31,1908	30 days' notice.

MILEAGE OPERATED UNDER CONTRACT OR OTHER AGREEMENT.—Continued.

Name of common carrier (railway) under contract.	Total mileage (single track) over which respondent conducted operations.	Average mileage (single track) over which respondent conducted operations.	Ratio of average mileage over which respondent conducted operations to total mileage over which respondent conducted operations.	Term of contract.	
				Date of effect.	Date of expiration.
Contract Carriers—Cont'd.	(*Miles.*)	(*Miles.*)	(*Per cent.*)		
Minneapolis & St. Louis	729	729	100	May 24, 1916	Feb. 1, 1933.
Missouri, Kansas & Texas (incl. Tex. Ct. W. F. & N. W., W. Ft. & N. W. of T. M. K. & T. of Texas)	2,293	2,293	100	July 1, 1911	July 1, 1926.
Missouri, Oklahoma & Gulf	None	None	.....	Jan. 3, 1910	Jan. 3, 1925.
Missouri Pacific	1,866	1,800	96.46	Nov. 1, 1914	June 30, 1922.
Mobile & Ohio	697	697	100	Oct. 31, 1914	Oct. 31, 1934.
Nashville, Chattanooga & St. Louis	592	572	96.62	May 2, 1910	May 2, 1925.
National R. R. of Mexico	None	None	.....	Jan. 1, 1901	Dec. 31, 1915.
Nevada Northern	None	None	.....	Mar. 1, 1907	Mar. 1, 1922.
New Orleans & Northeastern	202	202	100	Sept. 1, 1916	Aug. 31, 1936.
New York Central	3,480	3,274.5	94.09	Jan. 1, 1905	Jan. 1, 1930.
New York, Chicago & St. Louis	505	505	100	Jan. 1, 1905	Jan. 1, 1930.
New York, New Haven & Hartford (incl. C. N. E.)	1,034	795.5	76.93	Jan. 1, 1913	Jan. 1, 1933.
New York, Ontario & Western	None	None	.....	April 1, 1898	On notice.
Norfolk Southern	302	272.75	90.31	Dec. 1, 1910	Dec. 1, 1925.
Norfolk & Western	1,262	1,262	100	July 1, 1910	July 1, 1927.
Pennsylvania System	6,287	6,000.25	95.44	Jan. 2, 1909	July 1, 1930.
Pere Marquette	844	575.5	68.19	Jan. 1, 1909	Dec. 31, 1923.
Traverse City, Leel. & Manistique	29	7.25	25.	No contract..	Operated under P. M. contract.
Pittsburgh & Lake Erie	163	163	100	Jan. 1, 1905	Jan. 1, 1930.
Philadelphia & Reading	567	553.5	97.62	Mar. 23, 1889	Mar. 22, 1914.
Williamsport & North Branch	21	5.25	25	No contract..	Operated under P. & R. contract.
Richmond, Fredericksburg & Potomac (incl. Wash. Southern)	115	115	100	July 1, 1909	July 1, 1924.
Rutland	361	361	100	Jan. 1, 1905	Jan. 1, 1930.
San Antonio & Aransas Pass	348	348	100	April 1, 1915	April 1, 1930.
Seaboard Air Line	2,047	1,947.25	95.13	July 1, 1908	June 30, 1923.
Aberdeen & Asheboro	6	1.5	25	No contract..	Operated under S. A. L. contract.
Southern Ry	4,414	4,234	95.92	July 1, 1909	July 1, 1924.

Southern Ry. in Mississippi	None	None	.....	July 1,1909	July 1, 1924.
Southern Pacific	6,568	6,376.25	97.08	April 1,1912	April 1, 1930.
St. Louis & San Francisco (incl. St. L. S. F. & T., St. L., B. & M., (incl. Tex.-Mex. Trackage)	3,716	3,644	98.06	April 1,1912	April 1, 1927.
St. Louis, Iron Mountain & Southern (incl. L. R. & H. S. W.)	1,632	1,570.5	96.23	June 1,1905	June 30, 1922.
St. Louis Southwestern	492	492	100	June 1,1905	June 30, 1922.
St. Louis Southwestern of Texas	445	445	100	June 1,1905	June 30,1922.
Tehauntepec National	None	None	.....	Sept.. 1,1908	June 1, 1920.
Tennessee Central	166	166	100	Mar. 5,1903	Mar. 4, 1918.
Texas Midland	None	None	.....	Aug. 3,1897	30 days' notice.
Texas & Pacific	1,228	1,211.5	98.66	June 1,1905	June 30, 1922.
Toledo, St. Louis & Western	451	451	100	Jan. 1,1906	Dec. 31, 1920.
Tonopah & Goldfield	88	88	100	Sept. 15, 1905	Sept. 14, 1920.
Tonopah & Tidewater	168	168	100	Nov. 1,1907	Oct. 31, 1922.
Toronto, Hamilton & Buffalo	37	37	100	June 24,1899	June 24, 1914.
Trinity & Brazos Valley	None	None	.....	Dec. 1,1909	Dec. 1, 1924.
Ulster & Delaware	127	57.75	45.47	June 22,1908	30 days' notice.
Union Pacific (incl. O. S. L., O. W. R. & N.-St. J. & G. I.)	4,559	4,445.75	97.52	April 1,1912	April 1, 1930.
Vera Cruz to Isthmus	None	None	.....	June 1,1905	June 1, 1920.
Vicksburg, Shreveport & Pacific	169	169	100	Sept. 1,1916	Aug. 31, 1936.
Virginia & Southwestern	69	69	100	July 1,1909	July 1, 1924.
Wabash (incl. W. P. T.)	1,710	1,710	100	July 1,1916	June 20, 1922.
Washington County	102	102	100	Mar. 1,1900	Mar. 1, 1925.
Western Maryland	442	442	100	May 1,1913	May 31,1933.
Western Pacific	932	932	100	July 14,1916	June 30, 1922.
Wheeling & Lake Erie	None	None	.....	July 1,1907	June 30, 1922.
Wisconsin Central	774	774	100	Nov. 1,1907	Oct. 31, 1922.
Yazoo & Mississippi Valley	562	555	98.75	Nov. 1,1905	June 1, 1923.
No Standard Contracts—Temporary Agreements.					
California Southern	42	10.5	25	Aug. 12,1916	60 days' notice.
Charlotte, Harbor & Northern	99	74.25	75	Oct. 12,1911	30 days' notice.
Duluth, South Shore & Atlantic	90	90	100	Dec. 1,1911	30 days' notice.
Hocking Valley	None	None	.....	Mar. 20,1897	30 days' notice.
Missouri & North Arkansas	None	None	.....	Nov. 9,1910	30 days' notice.
Mexico & Northwestern	None	None	.....	Nov. 14,1911	30 days notice.
Quebec Central	143	143	100	.....	Operated under B. & M. contract.
San Antonio, Uvalde & Gulf	274	212	77.37	Mar. 1,1915	6 months' notice.
Virginian	243	243	100	Oct. 1,1909	6 months' notice.
Yosemite Valley	78	39	50	April 15,1909	30 days' notice.
Constitutionalist Rys. of Mexico	None	None	.....	Dec. 20,1915	30 days' notice.

MILEAGE OPERATED UNDER CONTRACT OR OTHER AGREEMENT.—Concluded.

Name of common carrier (railway) under contract.	Total mileage (single track) over which respondent conducted operations.	Average mileage (single track) over which respondent conducted operations.	Ratio of average mileage over which respondent conducted operations to total mileage over which respondent conducted operations.	Term of contract.	
				Date of effect.	Date of expiration.
Operated Over Without Written Contract.	(*Miles.*)	(*Miles.*)	(*Per Cent.*)		
Lehigh & Hudson River	73	18.25	25	No contract..	
Crosbyton & South Plains	None	None	.....	No contract..	
Tuckerton	21	5.25	25	No contract..	
Joint line operation.					
Canadian Pacific	2,111	1,816.25	86.04	No contract..	
Chicago, Milwaukee & St. Paul	2,373	2,373	100	No contract..	
Great Northern	2,849	2,788	97.86	No contract..	
Intercolonial	275	68.75	25	No contract..	
Minn., St. Paul & Sault Ste. Marie	717	717	100	No contract..	
Mexican	None	None	.....	No contract..	
Spokane International	None	None	.....	No contract..	
Transcontinental	777	777	100	No contract..	
Total for contract carriers	121,836	116,423	95.56		
Association carriers.					
Northern Pacific (incl. S. P. & S.)	3,526	3,432	97.33	Jan. 1, 1897	Jan. 1, 1917.
Total for association carriers	3,526	3,432	97.33		
Total for contract and association carriers	125,362	119,855	95.61		

AUXILIARY OPERATIONS AND OTHER PROPERTIES.

A. AUXILIARY OPERATIONS.

Deisgnation—Commissarial service; character of business—Operating commissary and barber shops on trains; Title (ownership, lease, etc.)—Ownership of some cars; others not owned but operated for railroads; state or territory—Every state, more or less.

B. OTHER PROPERTIES.

Designation.	Character of business.	State or territory.	Investment.	Reserve for accrued depreciation.—Cr.	Net investment.
Manufac. plants...	Bldg. cars...	Illinois.	$22,648,364 62	$2,511,956 30	$20,136,408 32
Real estate.....	Abt. 4 acres.	Illinois.	5,510 53	None	5,510 53
Real estate.....	8 lots.....	N. J....	1,140 00	None	1,140 00
Total.....	.....	.....	$22,655,015 15	$2,511,956 30	$20,143,058 85

EXPLANATORY REMARKS.

Under "B. Other Properties" the total of the column "Net Investment" has not been carried to the general balance sheet on page 382 under the caption "Miscellaneous investments—Physical property" as instructed above because no such caption appears in the general balance sheet. The investment in Manufacturing Plants is carried to "Expenditures for Property and Equipment" on page 373, and the investment in real estate is carried to the general balance sheet on page 382 under the caption "Lands Owned."

STATEMENT OF TOTAL NUMBER OF SHARES OUTSTANDING.

(Details—for totals see page 371)

	March 30, 1867.		July 27, 1867.		April 5, 1868.		April 24, 1869.	
	No. shares.	Cash realized.	No. shares.	Cash realized.	No. shares.	Cash realized.	No. shares.	Cash realized.
COMMON STOCK.								
Issued for cash	1,000	$100,000	9,000	$900,000	2,320	$232,000	4,349	$445,160
Issued for construction of new property or equipment	.....	.....	.....	.....	180	.....	651	.....
Issued for purchase of property or equipment	.....	.....	.....	.....	.....	.....	.....	.....
Issued to capitalize assets in excess of the capital stock invested in equipment and other property, or held for such use in the future. Possibly this should be shown as issued for construction or purchase, but ascertainment of proper division between said heads is impossible	.....	.....	.....	.....	.....	.....	.....	.....
Total	1,000	.....	9,000	.....	2,500	.....	5,000	.....

STATEMENT OF TOTAL NUMBER OF SHARES OUTSTANDING—Continued.

(Details—for totals see page 371)

	January 31, 1870.		November 3, 1873. September 10, 1874. September 30, 1875.		April 2, 1881.		September 8, 1881.	
	No. shares.	Cash realized.	No. shares.	Cash realized.	No. shares.	Cash realized.	No. shares.	Cash realized.
COMMON STOCK.								
Issued for cash	16,082	$1,635,378	*20,567	*$2,056,700	20,189	$2,018,900	20,189	$2,018,900
Issued for construction of new property or equipment	968	.....	.....	.....	.....	.....	.....	.....
Issued for purchase of property or equipment	3,000	.....	.....	.....	.....	.....	.....	.....
Issued to capitalize assets in excess of the capital stock invested in equipment and other property, or held for such use in the future. Possibly this should be shown as issued for construction or purchase, but ascertainment of proper division between said heads is impossible	2,450	.....	.....	.....	.....	.....	.....	.....
Total	22,500	.....	*20,567	.....	20,189	.....	20,189	.....

*Issued to take up bonds which were sold at their issue for cash, exchangeable for stock at par.

STATEMENT OF TOTAL NUMBER OF SHARES OUTSTANDING.—Continued.

(Details—for totals see page 371.)

	February 1, 1882.		September 7, 1882.		October 18, 1883.		October 13, 1887.	
	No. shares.	Cash realized.	No. shares.	Cash realized.	No. shares.	Cash realized.	No. shares.	Cash realized.
COMMON STOCK.								
Issued for cash	25,236	$2,523,600	.....	.....	26,545	$2,654,500	39,818	$3,981,800
Issued for construction of new property or equipment	.....	.....	.....	.....	.....	.....	.....	.....
Issued for purchase of property or equipment	.....	.....	6,546	.....	.....	.....	.....	.....
Issued to capitalize assets in excess of the capital stock invested in equipment and other property, or held for such use in the future. Possibly this should be shown as issued for construction or purchase, but ascertainment of proper division between said heads is impossible	.....	.....	.....	.....	.....	.....	.....	.....
Total	25,236	.....	6,546	.....	26,545	.....	39,818	.....

STATEMENT OF TOTAL NUMBER OF SHARES OUTSTANDING.—Continued.

(Details—for totals see page 371.)

	March 4, 1889.		October 15, 1891.		April 20, 1893.		October 13, 1898.	
	No. shares.	Cash realized.	No. shares.	Cash realized.	No. shares.	Cash realized.	No. shares.	Cash realized.
COMMON STOCK.								
Issued for cash	50,910	$5,091,000	50,000	$5,000,000	60,000	$6,000,000	.....	.....
Issued for construction of new property or equipment	.....	.....	.....	.....	.....	.....	.....	.....
Issued for purchase of property or equipment	.....	.....	.....	.....	.....	.....	.....	.....
Issued to capitalize assets in excess of the capital stock invested in equipment and other property, or held for such use in the future. Possibly this should be shown as issued for construction or purchase, but ascertainment of proper division between said heads is impossible	.....	.....	.....	.....	.....	.....	180,000	.....
Total	50,910	.....	50,000	.....	60,000	.....	180,000	.....

STATEMENT OF TOTAL NUMBER OF SHARES OUTSTANDING.—Concluded.

(Details—for totals see page 371.)

	December 5, 1899.		November 14, 1906.		March 21, 1910.	
	No. shares.	Cash realized.	No. shares.	Cash realized.	No. shares.	Cash realized.
COMMON STOCK.						
Issued for cash	.....	.....	.....	.....	.....	.....
Issued for construction of new property or equipment	.....	.....	.....	.....	.....	.....
Issued for purchase of property or equipment	200,000	.....	.....	.....	.....	.....
Issued to capitalize assets in excess of the capital stock invested in equipment and other property, or held for such use in the future. Possibly this should be shown as issued for construction or purchase, but ascertainment of proper division between said heads is impossible	.....	.....	260,000	.....	200,000	.....
Total	200,000	.....	260,000	.....	200,000	.....

CAPITAL STOCK.

Description.	Number of shares. authorized.	Par value of one share.	Total par value authorized.	Total par value outstanding.	Total par value held by respondent corporation.		Total par value not held by respondent corporation.	Dividends declared during yea	
					In treasury.	In sinking or other funds.		Rate.	Amount.
Capital stock:									
Common	1,200,000	$100	$120,000,000	$119,997,200	$717,600	$250,800	$117,105,400	8%	$9,529,034 66
Scrip	.....	.....	.....	2,800	988	.....	1,812	.....	.....
Held by Mfg. Dept.	.....	.....	.....	.....	714,600	1,208,800	.....	.....	.....
Preferred	None	.....	.....	.....	.....	.....	.....	.....	.....
Total	1,200,000	$100	$120,000,000	$120,000,000	$1,433,188	$1,459,600	$117,107,212	8%	$9,529,034 66

CAPITAL STOCK.—Continued.

Purpose of the issue.		Total number of shares outstanding.	Total cash realized.
Issued for cash—common		346,205	$34,657,938
Issued for construction of new property or equipment—common	a	1,799	179,900
Issued for purchase of property or equipment	b	209,546	20,954,600
Issued to capital assets in excess of capital stock—common	*	642,450	64,245,000
Total		1,200,000	$120,037,438

For details of separate issues, see preceding pages.

REMARKS.

a. Value of new property and equipment for the construction of which new stock was issued. See item * added below.
b. Estimated value at time of purchase of property and equipment. See item * added below.
*Issued to capitalize assets in excess of capital stock invested in other property or held for such use in future. Possibly this should be shown as issued for construction, improvement or purchase, but ascertainment of proper division between said heads is impossible.

EXPLANATORY REMARKS.

Note to "Recapitulations of Capitalization."
It is not possible to assign any portion of the capital stock of the corporation to any particular branch of its business. The Pullman Company has assigned certain assets to its Manufacturing Department as shown on page 373.

Capital stock—Total par value outstanding—$120,000,000. See explanatory remarks, last above.

EXPENDITURES FOR PROPERTY AND EQUIPMENT.

Account.	Expenditures for property and equipment during the year.		Total cost to close of preceding year.	Total cost to close of year.
	Charged to capital.	Amounts written out of capital charges on account of property or equipment retired.		
Equipment:				
Standard sleeping cars	$5,613,060 23	$2,719,978 08	$95,685,757 47	$98,578,839 62
Tourist sleeping cars	230,000 00	272,500 00	7,194,962 55	7,152,462 55
Parlor cars	940,622 74	124,753 46	16,117,029 60	16,932,898 88
Dining cars	.....	103,136 81	242,409 45	139,272 64
Composite cars	85,551 99	.....	1,964,475 05	2,050,027 04
Private cars	88,094 70	62,312 40	718,253 48	744,035 78
Miscellaneous cars	.....	.....	None	None
Total	$6,957,329 66	$3,282,680 75	$121,922,887 60	$125,597,536 51
Real estate used in operation	438 91	18 35	439,723 31	440,143 87
Buildings and fixtures used in operation	49,046 08	26,129 66	3,249,984 99	3,272,901 41
Real estate, buildings and machinery—manufacturing department, and other assets assigned to that department	(See explanatory	remarks.)	20,136,408 32	20,136,408 32
Miscellaneous properties	None	None	None	None
Total cost of property and equipment	$7,006,814 65	$3,308,828 76	$145,749,004 22	$149,446,990 11

The amount shown above under "Total Cost to Close of Preceding Year" is not original cost, but includes book values of a number of cars mainly acquired prior to August 1, 1903, and is so shown in order to harmonize with the general balance sheet, page 382. The book value is original cost less the amounts written off for depreciation in earlier years.

The amount stated above, opposite Item IV, reading, "Real Estate, Buildings and Machinery–Manufacturing Department," etc., is the sum invested in the Manufacturing Department.

INCOME ACCOUNT.

Operating income:			
Sleeping car operations:			
Revenues	$44,202,619 83		
Expenses	30,878,524 89		
Net revenue		$13,324,094 94	
Auxiliary operations:			
Revenues	$755,336 68		
Expenses	725,364 23		
Net revenue from auxiliary operations		29,972 45	
Total net revenue		$13,354,067 39	
Taxes accrued		1,608,898 17	
Operating income			11,745,169 22
Other income:			
Dividends declared on stocks owned or controlled		$99,372 00	
Interest accrued on funded debt owned or controlled		80,738 61	
Interest on other securities, loans and accounts		404,178 51	
Total other income			$584,289 12
Gross corporate income			$12,329,458 34
Deductions from gross corporate income:			
Hire of equipment—debit balance		$9,179 45	
Other interest		17,699 49	
Total deductions from gross corporate income			26,878 94
Net corporate income			$12,302,579 40
Disposition of net corporate income:			
Dividends declared on common stock:			
One-third of two per cent payable Feb. 15, 1916	$791,864 00		
Two per cent payable May 15, 1916	2,375,592 00		
Two per cent payable Aug. 15, 1916	2,385,592 00		
Two per cent payable Nov. 15, 1916	2,385,592 00		
Two-thirds of two per cent payable Feb. 15, 1917	1,590,394 66		
		$9,529,034 66	
Appropriations to reserves		500,000 00	
Miscellaneous		100,000 00	
			10,129,034 66
Balance for year carried forward to credit of profit and loss			$2,173,544 74

PROFIT AND LOSS ACCOUNT.

DEBIT.

Deductions for year:	
Uncollectible sleeping car revenue	$833 03
Miscellaneous debits	502 00
Balance credit, at close of year, carried to balance sheet	12,631,307 39
Total	$12,632,642 42

CREDIT.

Balance at beginning of year	$10,256,998 49
Balance for year brought forward from income account	2,173,544 74
Other properties—Profit	191,245 05
Additions for year:	
Unrefundable overcharges	4,787 45
Miscellaneous credits	6,066 69
Total	$12,632,642 42

REVENUES OF SLEEPING CAR OPERATIONS.

Account.	Contract operations, total revenues.	Association operations, total revenues,	Total revenues.
SR. 1. Standard sleeping car berth revenue	$35,307,891 49	$781,251 04	$36,089,142 53
SR. 2. Tourist sleeping car berth revenue	2,076,046 88	175,150 61	2,251,197 49
SR. 3. Other car berth revenue	1,384 27	None	1,384 27
SR. 4. Standard sleeping car seat revenue	2,012,261 67	49,659 61	2,061,921 28
SR. 5. Tourist sleeping car seat revenue	4,806 58	468 70	5,275 28
SR. 6. Parlor car seat revenue	5,543,297 39	None	5,543,297 39
SR. 7. Composite car seat revenue	67,054 07	None	67,054 07
SR. 8. Other car seat revenue	3 20	None	3 20
SR. 9. Charter of standard sleeping cars—per diem rates	263,407 45	7,020 00	270,427 45
SR. 10. Charter of standard sleeping cars—berth rates	20,675 25	None	20,675 25
SR. 11. Charter of tourist sleeping cars—per diem rates	40,395 00	2,475 00	42,870 00
SR. 12. Charter of tourist sleeping cars—berth rates	87 20	None	87 20
SR. 13. Charter of private cars—per diem rates	247,704 25	None	247,704 25
SR. 14. Charter of private cars—berth rates	None	None	None
SR. 15. Charter of other cars to other than carriers—per diem rates	8,222 50	None	8,222 50
SR. 16. Charter of other cars—berth or seat rates	5,215 10	None	5,215 10
SR. 17. Charter of other cars to carriers—other rates	12,926 52	None	12,926 52
SR. 18. Miscellaneous revenue	61,271 97	See Note	61,271 97
SR. 19. Car mileage revenue	690,558 15	None	690,558 15
SR. 20. Association revenue—Dr	.....	482,425 17	482,425 17
SR. 21. Contract revenue—Dr	2,643,022 12	51,166 78	2,694,188 90
Total revenues	$43,720,186 82	$482,433 01	$44,202,619 83

The revenue account No. 18 is included under "Contract Operations" inorder to make up the total of the column "Total Revenues," but it does not belong specifically under either "Contract Operations" or "Association Operations."

STOCKS OWNED.

ACTIVE CORPORATIONS.

Name of corporations and security.	Par value of stocks owned not held in sinking or other funds. Unpledged.	Dividends declared.		Valuation of stocks owned.
		Rate.	Amount.	
Stocks of respondent corporation	$718,588 00	.....	.....	$668,610 31
Stocks of all proprietary, affiliated, and controlled corporations:				
Pullman Railroad Co. (See note on page 376.)	500,000 00	.....	.....	.....
Stocks of all corporations not proprietary, affiliated, or controlled:				
Chesapeake & Ohio Ry. Co.—common	41,200 00	.....	.....	7,828 00
National Biscuit Co.—preferred	500,000 00	7%	35,000 00	482,500 00
National Biscuit Co.—common	500,000 00	7%	35,000 00	210,000 00
Pullman Trust & Savings Bank	150,600 00	16%	24,096 00	119,800 00
Roseland State Savings Bank	100,400 00	4%	4,016 00	110,440 00
Union Pacific R. R. Co.—preferred	31,500 00	4%	1,260 00	23,625 00
New York Hotel Co., Hot Springs, Ark	29,700 00	.....	.....	1 00
Old Point Comfort Improvement Co	22,800 00	.....	.....	1 00
Chicago Law Institute (Law Library)	100 00	.....	.....	1 00
Total	$2,594,888 00	.....	$99,372 00	$1,622,806 31

STOCKS OWNED.—Concluded.

INACTIVE CORPORATIONS.

Name of corporation.	Name of security.	Total par value of stock outstanding.	Par value of stocks owned.		Valuation of stocks owned.
			Unpledged.	Pledged	
Pullman Land Association..	Cert. of interest..	$1,604,200 00	$1,604,200 00	(See note below)	
Columbus, Sandusky & Hocking R. R. Co.....	Preferred stock..	No Record	28,726 00	None	None
Columbus, Sandusky & Hocking R. R. Co.....	Common stock..	No Record	113,888 00	None	None
Cloud Steel Truck Co.....	Common stock..	No Record	50,000 00	None	None
Continuous Transit Securities Co.....	Common stock..	No Record	7,700 00	None	None
Mann's Budoir Car Co.....	Common stock..	No Record	997,800 00	None	None
Multiple Speed & Traction Co.....	Common stock..	No Record	7,700 00	None	None
Union Palace Car Co.....	Common stock..	7,500 00	7,500 00	None	None
Woodruff Sleeping & Parlor Coach Co.....	Common stock..	No Record	974,300 00	None	None
Total.....	.....	.....	$3,791,814 00	.....	.....

EXPLANATORY REMARKS.

All stocks listed this page (except the stock of the Columbus, Sandusky and Hocking R. R. Co.) are held by an individual for the benefit of the respondent company.

The valuation of stock of Pullman Land Association is not carried into the valuation column this page because held as an asset of the Manufacturing Department and included in the amount $20,136,408.32 shown under Item IV. on page 373.

Explanatory Remarks (applying to page 375). All stocks listed on page 375 are held by an individual for the benefit of the respondent company except the stock of the Pullman R. R. Co.

The valuation of Pullman R. R. Co. stock is not carried into the valuation column on page 375 because held as an asset of the Manufacturing Department and included in the amount $20,136,408.32 shown under Item IV on page 373.

FUNDED DEBT OWNED.

ACTIVE CORPORATIONS.

Name of corporation and security.	Par value of funded debt owned not held in sinking or other funds. Unpledged.	Interest accrued.		Valuation of funded debt owned.
		Rate.	Amount.	
Funded debt of all corporations not proprietary, affiliated, or controlled:				
American Telephone & Telegraph Co. 30 yr. 5% collateral trust gold	$50,000 00	5%	Dr. $83 33	$49,000 00
Anglo-French, 5 yr. 5% external loan	250,000 00	5%	Dr. 868 06	237,812 50
Baltimore & Ohio R. R. Co., prior lien 3½% gold	300,000 00	3½%	3,675 00	279,000 00
Chesapeake & Ohio Ry. Co., convertible 4½% gold	20,000 00	4½%	900 00	18,700 00
Consumers Gas Co., 1st mortgage 5% Gold	43,000 00	5%	2,150 00	44,075 00
Erie Electric Motor Co., 6% mortgage	22,000 00	6%	1,320 00	22,000 00
Fort Worth & Denver City Ry. Co., 1st mortgage 6% gold	25,000 00	6%	1,500 00	19,250 00
Lake Shore & Michigan Southern Ry., 4% 25 year gold	500,000 00	4%	20,000 00	492,500 00
New York City, 4¼% corporate stock	See note below	4¼%	700 00	.....
New York, New Haven & Hartford R. R., debenture, 50 year, 4% gold	250,000 00	4%	5,000 00	265,000 00
New York, New Haven & Hartford R. R., special 4%	66,000 00	4%	1,320 00	63,302 50
Old Point Confort Improvement Co., 1st mortgage, 4½% 25 year gold	15,000 00	4½%	675 00	15,000 00
Old Point Comfort Improvement Co., 6% 25 year income gold	15,200 00	.....	.....	1 00
Pennsylvania Co., 4% gold loan	500,000 00	4%	20,000 00	501,250 00
Gov't of the United Kingdom of Great Britain and Ireland, 2 year 5% secured loan, gold notes	250,000 00	5%	.....	247,500 00
U. S. Steel Corporation, 2nd mortgage 5% gold	485,000 00	5%	24,450 00	502,484 25
Total	$2,791,200 00	.....	$80,738 61	$2,756,875 25

EXPLANATORY REMARKS.

The amount shown on above as income from New York City 4¼% corporate stock is the income from $32,000.00 of such stock on deposit with the New York State Industrial Commission and included in Insurance and Other Special Fund on page 378.

FUNDED DEBT OWNED.—Concluded.

INACTIVE CORPORATIONS.

Name of corporation.	Name of security.	Total par value of funded debt outstanding.	Par value of funded debt owned. Unpledged.
Columbus, Sandusky & Hocking R. R.	5% gold bonds	No record	$633 75
Columbus, Sandusky & Hocking R. R.	Gen'l mtge. gold inc.	No record	26,000 00
Columbus, Sandusky & Hocking R. R.	Scrip. inc. mtge. 50 yr. gold	No record	6,383 76
Mann's Boudoir Car Co	First mortgage bonds	700,000 00	700,000 00
Woodruff Sleeping & Parlor Coach Co.	First mortgage bonds	600,000 00	600,000 00
Total	.....	.....	$1,333,017 51

SINKING, REDEMPTION, INSURANCE AND OTHER SPECIAL FUNDS.

A. INCOME AND DISBURSEMENTS DURING YEAR.

Name of fund.	Income.			Disbursements.
	Income to fund from investment.	Other income to fund.	Total.	
Insurance and other special funds:				
Insurance reserve fund	$21,014 00	$30,883 51	$51,897 51	$21,609 98
Deposit with Industrial Commission of New York	None	None	None	None
Total	$21,014 00	$30,883 51	$51,897 51	$21,609 98

ASSETS AT CLOSE OF YEAR.

Name of fund and security.	Securities in fund.		Cash in fund.	Total.
	Par value.	Cost.		
Insurance and other special funds:				
Insurance reserve fund.				
Stock of respondent corporation	$250,800	$365,630 51	.....	$365,630 51
Bonds of Commonwealth Edison Co.	19,000	19,380 00	.....	19,380 00
Uninvested	.....	.....	$31,635 93	31,635 93
Deposit with State Industrial Commission of New York.				
N. Y. City 4¼% corporate stock	32,000	32,640 00	.....	32,640 00
Total	$301,800	$417,650 51	$31,635 93	$449,286 44

EXPENSES OF SLEEPING CAR OPERATIONS.

Account.	Amount.	Ratio to total of general account, per cent.	Ratio to total expenses, per cent.
I. Maintenance:			
SE 1. Superintendence	$55,257 30	35	18
SE 2. Standard sleeping cars—Repairs	7,873,026 40	49.17	25.50
SE 3. Tourist sleeping cars—Repairs	633,478 98	3.96	2.05
SE 4. Parlor cars—Repairs	1,081,246 93	6.75	3.50
SE 5. Composite Cars—Repairs	142,762 00	89	46
SE 6. Private Cars—Repairs	48,822 58	31	16
SE 7. Other cars—Repairs	None	.....	.....
SE 8. Standard sleeping cars—Depreciation adjustments	174,678 20	1.09	57
SE 9. Tourist sleeping cars—Depreciation adjustments	43,493 31	27	14
SE 10. Parlor cars—Depreciation adjustm'ts	45,184 48	28	15
SE 11. Composite Cars—Depreciation adjustments	None	.....	.....
SE 12. Private cars—Depreciation adjustments	11,202 40	07	04
SE 13. Other cars—Depreciation adjustment	11,665 18	07	04
SE 14. Standard Sleeping cars—Depreciation	4,528,243 07	28.28	14.66
SE 15. Tourist sleeping cars—Depreciation	346,360 54	2.16	1.12
SE 16. Parlor cars—Depreciation	741,420 49	4.63	2.40
SE 17. Composite cars— Depreciation	95,188 35	60	31
SE 18. Private cars—Depreciation	34,048 12	21	11
SE 19. Other cars—Depreciation	None	.....	.....
SE 20. Shop machinery and tools	35,654 38	22	12
SE 21. Buildings, appurtenances and grounds	127,651 10	80	41
SE 22. Buildings, appurtenances and grounds—Depreciation	62,369 27	39	20
SE 23. Stationery and printing	6,575 75	04	02
SE 24. Injuries to persons	9,137 05	06	03
SE 25. Other maintenance expenses	7 85	.....	.....
SE 26. Maintenance of association cars—Cr.	*95,363 24*	*60*	*31*
Total—Maintenance	$16,012,110 49	100	51.86
II. Conducting car operations:			
SE 27. Superintendence	$248,202 33	1.85	80
SE 28. District employees and expenses	1,573,171 23	11.69	5.10
SE 29. Conductors	2,909,124 02	21.62	9.42
SE 30. Porters and maids	2,977,973 91	22.13	9.64
SE 31. Car cleaning—General	1,290,987 04	9.59	4.18
SE 32. Car cleaning—Special	726,574 24	5.40	2.35
SE 33. Laundry	1,736,341 34	12.90	5.62
SE 34. Other car supplies and expenses—General	451,241 75	3.35	1.46
SE 35. Other car supplies and expenses—Special	1,339,682 95	9.96	4.34
SE 36. Stationery and printing	129,331 54	96	42
SE 37. Loss and damage	23,465 37	18	08
SE 38. Injuries to persons	94,582 57	70	31
SE 39. Other expenses—Conducting Car Operations	53,932 62	40	18
SE 40. Operation of association cars—Cr	*97,812 80*	*73*	*32*
Total—Conducting car operations	$13,456,798 11	100	43.58
III. General Expenses:			
SE 41. Salaries and expenses of general officers	$226,708 28	16.08	73
SE 42. Salaries and expenses of clerks and attendants	472,141 87	33.49	1.53
SE 43. General office supplies and expenses	37,240 77	2.64	12
SE 44. Law expenses	245,757 58	17.44	80
SE 45. Pension and relief expenses	163,291 57	11.58	53
SE 46. Insurance	81,543 09	5.79	26
SE 47. Stationery and printing	37,948 80	2.69	12
SE 48. Other general expenses	145,984 33	10.36	47
SE 49. Administration of association cars—Cr	*1,000 00*	*07*	.....
Total—General Expenses	$1,409,616 29	100	4.56
Recapitulation of expenses:			
I. Maintenance	$16,012,110 49	.....	51.86
II. Conducting Car Operations	13,456,798 11	.....	43.58
III. General expenses	1,409,616 29	.....	4.56
Total expenses of sleeping car operations	$30,878,524 89	.....	100

Ratio of expenses to revenues 69.86 per cent.

SUMMARY OF REVENUES AND EXPENSES OF AUXILIARY OPERATIONS AND OTHER PROPERTIES.

A AUXILIARY OPERATIONS.

Commissarial service—operating revenues:	
DR I. Dining and special car revenue	$23,233 04
DR II. Sleeping and parlor car commissarial revenue	716,638 51
DR III. Miscellaneous revenue	15,465 13
Total operating revenues	$755,336 68
Total operating expenses	725,364 23
Net operating revenue (or deficit)	$29,972 45
Ratio of operating expenses to operating revenues (per cent)	96 03
Commissarial service—operating expenses:	
Maintenance:	
DE 1. Dining and special cars—Repairs	$47,413 59
DE 2. Dining and special cars—Depreciation adjustments	None
DE 3. Dining and special cars—Depreciation	4,111 77
DE 4. Other expenses	None
Total—Maintenance	$51,525 36
II. Conducting commissarial service:	
DE 5. Superintendence	$46,937 70
DE 6. Employees	125,959 47
DE 7. Fuel and supplies	487,096 09
DE 8. Injuries and damages	None
DE 9. Other expenses	3,034 87
Total—Conducting commissarial service	$663,028 13
III. General expenses:	
DE 10. Administration expenses	$4,031 50
DE 11. Insurance	549 12
DE 12. Stationery and printing	6,230 12
Total—General expenses	$10,810 74
Recapitulation of expenses:	
I. Maintenance	$51,525 36
II. Conducting commissarial service	663,028 13
III. General expenses	10,810 74
Total operating expenses	$725,364 23

SUMMARY OF REVENUES AND EXPENSES OF AUXILIARY OPERATIONS AND OTHER PROPERTIES.—Concluded.

B OTHER PROPERTIES.

Manufacturing plants—revenues (or income):	
OR 1. Revenues from construction of cars owned	$6,556,937 31
OR 2. Revenue from repairs of cars owned	1,319,828 01
OR 3. Revenue from construction and repair work for others	13,486,953 15
OR 4. Miscellaneous revenues (or income)	1,602,245 12
Total revenues (or income)	$22,965,963 59
Total expenses	22,774,718 54
Net revenue (or deficit)	191,245 05
Ratio of expenses to revenues (per cent)	99.17
Manufacturing plants—expenses:	
OE 1. Operating expenses	$22,662,445 19
OE 2. Taxes	112,273 35
Total expenses	$22,774,718 54

HIRE OF EQUIPMENT.

Kind of equipment.	Name of lessee.	Number of units.	Amount.
Rents accrued receivable:			
Standard sleeping cars	Various railroads	31	$1,283 65
Tourist sleeping cars	Various railroads	91	7,145 00
Tourist car equipment	Northern Pacific Ry		2,100 00
Total		122	$10,528 65
Rents accrued payable:			
Tourist sleeping cars	Northern Pacific Ry	61	$19,708 10
Total		61	$19,708 10

ANALYSIS OF REVENUE DERIVED FROM CHARTER OF CARS.

Kind of car chartered.	Basis of compensation.	Car-miles.	Car-days.	Amount of compensation.
Standard sleeping cars	Per diem rates	1,963,720	7,727	$270,427 45
Standard sleeping cars	Berth and seat rates	191,081	602	20,675 25
Tourist sleeping cars	Per diem rates	297,734	2,136	42,870 00
Tourist sleeping cars	Berth and seat rates	488	2	87 20
Private cars	Per diem rates	1,903,022	6,729	247,704 25
Other cars:				
Composite	Per diem rates	419,122	774	15,899 85
Parlor cars	Per diem rates	1,369	278	5,249 17
Parlor cars	Seat rates	44,881	297	5,215 10
Total		4,821,417	18,545	$608,128 27

TAXES AND ASSESSMENTS.

State or territory.	Total.
Michigan	$14,290 59
All other taxes	1,594,607 58
Total	$1,608,898 17

COMPARATIVE GENERAL BALANCE SHEET.

Assets.	Balance at beginning of year.		Balance at close of year.		Increase during year.	Decrease during year.
	Item.	Total.	Item.	Total.		
Cost of property and equipment—Page 373	.....	$145,749,004 22	.....	$149,446,990 11	$3,697,985 89	.....
Stocks owned—Pages 375 and 376	$2,397,000 21	.....	$1,622,806 31	.....	.....	$774,193 90
Funded debt owned—Pages 377	1,951,851 15	.....	2,756,875 25	.....	805,024 10	.....
Other permanent investments	None	.....	None	.....	.....	.....
		4,348,851 36		4,379,681 56	.....	.....
Lands owned	.....	6,650 53	.....	6,650 53	.....	.....
Cash and current assets:						
Cash	$18,628,521 50	.....	$13,470,743 81	.....	.....	5,157,777 69
Bills receivable	6,456 00	.....	501,226 98	.....	494,770 98	.....
Due from agents and conductors	484,907 99	.....	589,579 05	.....	104,671 06	.....
Due from solvent companies and individuals	1,081,114 19	.....	2,533,717 04	.....	1,452,602 85	.....
Other cash assets	500,000 00	.....	5,000,000 00	.....	4,500,000 00	.....
		20,700,999 68		22,095,266 88	.....	.....
Other assets:						
Equipment trusts	None	.....	None	.....	.....	.....
Materials and supplies	$3,992,470 97	.....	$4,909,517 81	.....	917,046 84	.....
Sinking, insurance, and other funds—Page 378	420,793 51	.....	417,650 51	.....	.....	3,143 00
Sundries	249,478 96	.....	74,678 27	.....	.....	174,800 69
		4,662,743 44		5,401,846 59	.....	.....
Grand total	.....	$175,468,249 23	.....	$181,330,435 67	$5,862,186 44	.....

EXPLANATORY REMARKS.

"Cash" shown in column "Balance at Close of Year" includes $31,635.93 of uninvested cash belonging to the Insurance Reserve Fund as shown on page 378.

COMPARATIVE GENERAL BALANCE SHEET.—Concluded.

Liabilities.	Balance at beginning of year.		Balance at close of year.		Increase during year.	Decrease during year.
	Item.	Total.	Item.	Total.		
Capital stock—Page 371		$120,000,000 00		$120,000 000 00		
Funded debt		None		None		
Current liabilities:						
Loans and bills payable	None		None			
Audited vouchers and accounts	$3,955,744 86		$2,609,893 14			$1,345,851 72
Wages and salaries	547,498 32		610,779 66		$63,281 34	
Dividends not called for	17,112 00		18,088 00		976 00	
Matured interest coupons unpaid (including coupons due Jan. 1)	None		None			
Rents due January 1	None		None			
Miscellaneous	293,433 59		253,695 86			39,737 73
		4,813,788 77		3,492,456 66		
Other liabilities:						
Dividends accrued on capital stock		1,584,622 00		1,591,440 66	6,818 66	
Reserve accounts:						
Depreciation on cars	$15,317,338 68		$13,945,506 89			1,371,831 79
Reserve for accrued depreciation—equipment—Cr	22,438,528 06		27,707,128 38		5,268,600 32	
Buildings, appurtenances & grounds—Cr	594,859 24		637,029 39		42,170 15	
Deferred repairs	None		750,000 00		750,000 00	
Insurance reserve	386,358 91		416,646 44		30,287 53	
Doubtful accounts	None		100,000 00		100,000 00	
Other miscellaneous reserves	75,755 08		58,919 86			16,835 22
		38,812,839 97		43,615,230 96		
Profit and loss—Page 374		10,256,998 49		12,631,307 39	2,374,308 90	
Grand total		$175,468,249 23		$181,330,435 67	$5,862,186 44	

EXPLANATORY REMARKS.

There is a variance between the balance sheet as shown on this page and the Company's true balance sheet with respect to the items "Dividends Accrued on Capital Stock" and "Profit and Loss" by reason of the elimination of dividends accrued on stock in the treasury by instructions of the Commission.

IMPORTANT CHANGES DURING THE YEAR.

Here give concise statements covering as follows: 1. All extensions or renewals of existing contracts with carriers covering the operation of cars. 2. All new contracts made with carriers covering the operation of cars. 3. All new association contracts entered into with carriers and extensions or renewals of existing association contracts. 4. All other important changes in operation. 5. All leases taken or surrendered. 6. All consolidations or reorganizations effected. 7. All new stocks issued. 8. All new funded debt issued. 9. All changes in the respondent's holdings of stocks and funded debt. 10. All other important financial changes. 11. All other contracts, agreements, arrangements, etc., concerning the operation of cars with other companies or with individuals.

	Effective.	Expires.
1. Renewals:		
Alabama & Vicksburg	Sept. 1, 1916	Aug. 31, 1936
Delaware & Hudson Co	Jan. 1, 1916	Dec. 31, 1935
Grand Trunk Ry. Co. of Canada	July 1, 1916	July 1, 1936
New Orleans & Northeastern	Sept. 1, 1916	Aug. 31, 1936
Vicksburg, Shreveport & Pacific	Sept. 1, 1916	Aug. 31, 1936
2. New contracts:		
California Southern	Aug. 12, 1916	60 days' notice
Western Pacific R. R. Co (Adopting former contract with Western Pacific Ry. Co.)	July 14, 1916	June 30, 1922

3. None.
4. None.
5. None.
6. None.
7. None.
8. None.
9. Stock and scrip of The Pullman Company: Acquired—4.16 shares; disposed of 5,000 shares set aside for subscription by officers and employees. Bonds acquired—American Telephone & Telegraph Co., 30 year 5% collateral trust bonds, $50,000.00. Anglo French 5 year, 5% external loan bonds, $250,000.00. United Kingdom of Great Britain and Ireland, 2 year, 5% secured loan gold notes, $250,000.00. Bonds redeemed by issuing company, U. S. Steel Corporation, 2nd mortgage, 5% gold, $8,000.00, redeemed May 1, 1916.
10. None.
11. Supplemental operating agreements: With Minneapolis & St. Louis Ry., effective May 24, 1916, modifying Article 3, Section 1 of operating contract. With Wabash R. R., effective July 1, 1916, modifying operating contract.

EMPLOYEES AND SALARIES.

Class.	Number at close of year	Total number of days worked.	Total yearly compensation.	Average daily compensation.
Maintenance:				
Mechanics, electricians, seamstresses, repairmen, carpenters, shop employees, etc.	4,238	1,657,541	$4,018,314 17	$2 42
Conducting car operations:				
General officers and staff (Supt'ce)	124	42,785	186,475 34	4 36
District superintendents, agents and staff	1,224	533,152	1,325,086 71	2 49
Conductors	2,172	841,141	2,912,372 30	3 46
Porters and maids	6,287	2,457,397	3,001,082 02	1 22
Train stenographers	4	1,684	3,858 87	2 29
Car cleaners	3,496	1,271,301	2,165,948 16	1 70
General expenses:				
General officers	31	11,273	264,422 93	23 46
Clerks and attendants	538	191,821	468,325 53	2 44
Outside operations:				
Commissary (superintendence)	21	5,490	15,618 41	2 84
Agents and staff, conductors, waiters, cooks, etc.	194	92,488	154,430 80	1 67
Total (including general officers)	18,329	7,106,073	$14,515,935 24	2 04
Less general officers	31	11,273	264,422 93	23 46
Total (excluding general officers)	18,298	7,094,800	$14,251,512 31	2 01
Distribution of above:				
Maintenance	4,238	1,657,541	$4,018,314 17	$2 42
Conducting car operations	13,307	5,147,460	9,594,823 40	1 86
General expenses	569	203,094	732,748 46	3 61
Auxiliary operations	215	97,978	170,049 21	1 74
Total (including general officers)	18,329	7,106,073	$14,515,935 24	$2 04
Less general officers	31	11,273	264,422 93	23 46
Total (excluding general officers)	18,298	7,094,800	$14,251,512 31	$2 01

EXPLANATORY REMARKS.

When an employee's compensation is included in more than one classification above, he has been counted as an employee of the classification in which the greater part of the compensation is included.

OPERATING AND STATISTICAL STATEMENT.

Kind of car.	Number of revenue passengers.			Number of non-revenue passengers.	Car-miles.	Car-days.	Average number of revenue passengers per car per day.	Average revenue per passenger.	
	Berth.	Seat.	Total.					Berth.	Seat.
Contract operations:									
Standard sleeping cars	14,262,790	3,648,091	17,910,881	972,516	560,755,154	1,621,651	11	$2 48	$0 55
Tourist sleeping cars	1,002,731	11,469	1,014,200	26,599	62,086,879	161,526	6	2 07	42
Parlor cars	None	8,317,826	8,317,826	110,694	76,597,945	349,043	24	.....	67
Composite cars	None	141,561	141,561	3,375	13,540,665	40,746	3	.....	47
Miscellaneous cars	225	8	233	None	1,934,967	8,200	.....	6 15	40
Total—contract oper.	15,265,746	12,118,955	27,384,701	1,113,184	714,915,610	2,181,166	12	$2 45	$0 63
Association operations:									
Standard sleeping cars	289,440	75,138	364,578	21,162	11,924,055	37,024	10	2 70	66
Tourist sleeping cars	115,974	1,142	117,116	2,624	6,057,979	15,401	8	1 51	41
Total—Asso. oper.	405,414	76,280	481,694	23,786	17,982,034	52,425	9	$2 36	$0 66
Total—All operations	15,671,160	12,195,235	27,866,395	1,136,970	732,897,644	2,233,591	12	$2 45	$ 0 63

Sleeping car operations—Revenues—Page 375	$44,202,619.83
Revenues per car-mile	.06031
Revenues per car-day	19.78993
Sleeping car operations—Expenses—Page 379	30,878,524.89
Expenses per car-mile	.04213
Expenses per car-day	13.82461
Net revenue (or deficit)—Page 374	13,324,094.94
Net revenue (or deficit) per car-mile	.01818
Net revenue (or deficit) per car-day	5.96532

Average number of car-miles per car-day	328.13
Average number of car-miles per mile of trackage operated over	6,114.87
Average capacity per car (passenger):	
Standard sleeping cars (berths)	26.85
Tourist sleeping cars (berth)	31.83
Parlor cars (seats)	30.74
Composite cars (seats)	26.77
Average cost per car of new cars placed in service during the year:	
Steel cars	$16,110 02
Other than steel cars	None
Average weight per car equipped for service:	
Steel cars (approximate)	146,000
Other than steel cars (approximate)	113,000

Explanatory Remarks—The car-miles and car-days of chartered cars are included in the statistics on this page, but the number of passengers carried in such cars is not included for the reason that such cars are leased for rates that do not depend upon the number of passengers carried in them and we have no accurate record of such passengers.

DESCRIPTION OF EQUIPMENT.

EQUIPMENT OWNED OR LEASED IN SERVICE OF THE RESPONDENT.

Item.	No. at beginning of year.	No. added during year.	No. retired during year.	No. at close of year.	Number fitted with— Train brake.	Number fitted with— Automatic coupler.
Equipment owned:						
Standard sleeping cars	5,156	337	187	5,306	5,306	5,306
Tourist sleeping cars	751	25	34	742	742	742
Parlor cars	1,034	66	14	1,086	1,086	1,086
Dining cars	13	.....	6	7	7	7
Chair cars	.....	.....	.....	.....	.....	.....
Composite cars	115	6	.....	121	121	121
Private cars	33	3	4	32	32	32
Miscellaneous cars	.....	.....	.....	.....	.....	.....
Total in service, owned	7,102	437	245	7,294	7,294	7,294
Equipment leased or otherwise acquired:						
Tourist cars leased from N. P. Ry.	61	.....	.....	61	61	61
New York Central R. R.—composite	18	.....	1	17	17	17
Michigan Central R. R.—composite	3	2	.....	5	5	5
Lehigh Valley R. R.—composite	2	.....	.....	2	2	2
Chi., Ind. & L'ville. Ry.—parlor diner	1	.....	.....	1	1	1
Total in service, not owned	85	2	1	86	86	86
Total in service	7,187	439	246	7,380	7,380	7,380
Number of cars of steel construction:						
Standard sleeping cars	2,395	337	.....	2,732	2,732	2,732
Parlor cars	396	66	.....	462	462	462
Composite cars	63	6	.....	69	69	69
Private cars	10	3	.....	13	13	13
Total	2,864	412	.....	3,276	3,276	3,276

EXPLANATORY REMARKS.

The revenues and expenses of cars shown on this page as owned by N. P. Ry. are included in operating revenues shown on page 374 and operating expenses shown on page 379, summarized on page 374. The revenues and expenses of cars shown on this page as owned by the New York Central R. R., the Michigan Central R. R., the Lehigh Valley R. R. and the C. I. & L. Ry. are included in the commissarial service accounts, page 380.

All the cars of The Pullman Company are fitted with either Westinghouse or New York train brakes and none are fitted with automatic air, steam and signal hose couplers.

In addition to the "Number of Cars of Steel Construction" as shown above, the respondent corporation owns the following cars equipped with steel underframes: Standard sleeping cars, 722; parlor cars, 279; composite cars, 44; private cars, 9; dining cars, 4; tourist sleeping cars, 345; which are included under Item I, "Equipment Owned."

STATEMENTS OF DIVISIONS, DISTRICTS AND AGENCIES

SUPERINTENDENTS LOCATED AT:

Atlanta, Ga.
Houston, Texas
New York, N. Y.
Philadelphia, Pa.
San Francisco, Cal.
St. Louis, Mo.

DISTRICTS.

Albany, N. Y.
Baltimore, Md.
Boston, Mass. (North Station)
Boston, Mass. (South station)
Buffalo, N. Y.
Charleston, S. C.
Chattanooga, Tenn.
Chicago, Ill. (Central)
Chicago, Ill. (Eastern
Chicago, Ill. (Southern)
Chicago, Ill. (Western)
Cincinnati, Ohio
Cleveland, Ohio
Dallas, Texas
Denver, Colo.
Detroit, Mich.
El Paso, Texas
Jacksonville, Fla.
Jersey City, N. J. (Northern),
Jersey City, N. J. (Southern)
Kansas City, Mo.
Los Angeles, Cal.
Louisville, Ky.
Memphis, Tenn.
Mexico City, Mex.
Minneapolis, Minn.
Montreal, P. Q. Canada
New Orleans, La.
Norfolk, Va.
New York N. Y. (Penn. Terminal)
Omaha, Neb.
Pittsburgh, Pa.
Portland, Ore.
Richmond, Va.
Salt Lake City, Utah
San Antonio, Texas
St. Paul, Minn.
Seattle, Wash.
Washington, D. C.

AGENCIES.

Albuquerque, N. Mex.
Asheville, N. C.
Atlantic City, N. J.
Augusta, Ga.
Billings, Mont.
Birmingham, Ala.
Camden, N. J.
Columbus, Ohio
Fort Worth, Texas
Galveston, Texas
Grand Rapids, Mich.
Hoboken, N. J.
Indianapolis, Ind.
Little Rock, Ark.
Montgomery, Ala.
Nashville, Tenn.
Ogden, Utah
Oklahoma City, Okla.
Pocatello, Idaho
Pueblo, Colo.
Savannah, Ga.
Shreveport, La.
Spokane, Wash.
Toledo, Ohio
Toronto, Ont., Canada.
Tucson, Ariz.
Waco, Texas
Weehawken, N. J.
Wichita, Kans.
Wilmington, N. C.

OATH.

STATE OF ILLINOIS, }ss.
COUNTY OF COOK. }

William Hough makes oath and says that he is General Auditor of The Pullman Company, that it is his duty to have supervision over the books of account of the respondent and to control the manner in which such books are kept; that he knows that such books have, during the period covered by the foregoing report, been kept in good faith in accordance with the accouting and other orders of the Interstate Commerce Commission, effective during the said period; that he has carefully examined the said report, and to the best of his knowledge and belief the entries contained in the said report have, so far as they relate to matters of account, been accurately taken from the said books of account and are in axact accordance therewith; that he believes that all other statements of fact contained in the said report are true, and that the said report is a correct and complete statement of the business and affairs of the above-named respondent during the period of time from and including January 1, 1916, to and including December 31, 1916.

WILLIAM HOUGH.

Subscribed and sworn to before me, a notary public, in and for the State and county above named, this 16th day of April 1917. My commission expires Sept. 22, 1919.

ALBERT F. LORENZ.

SUPPLEMENTAL OATH.

STATE OF ILLINOIS, }ss.
COUNTY OF COOK. }

Clive Runnells makes oath and says that he is Assistant to the President of The Pullman Company, that he has carefully examined the foregoing report; that he believes that all statements of fact contained in the said report are true, and that the said report is a correct and complete statement of the business and affairs of the above-named respondent during the period of time from and including January 1, 1916, to and including December 31, 1916.

CLIVE RUNNELLS.

Subscribed and sworn to before me, a notary public, in and for the State and county above named, this 16th day of April, 1917. My commission expires Sept. 22, 1919.

ALBERT F. LORENZ.

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